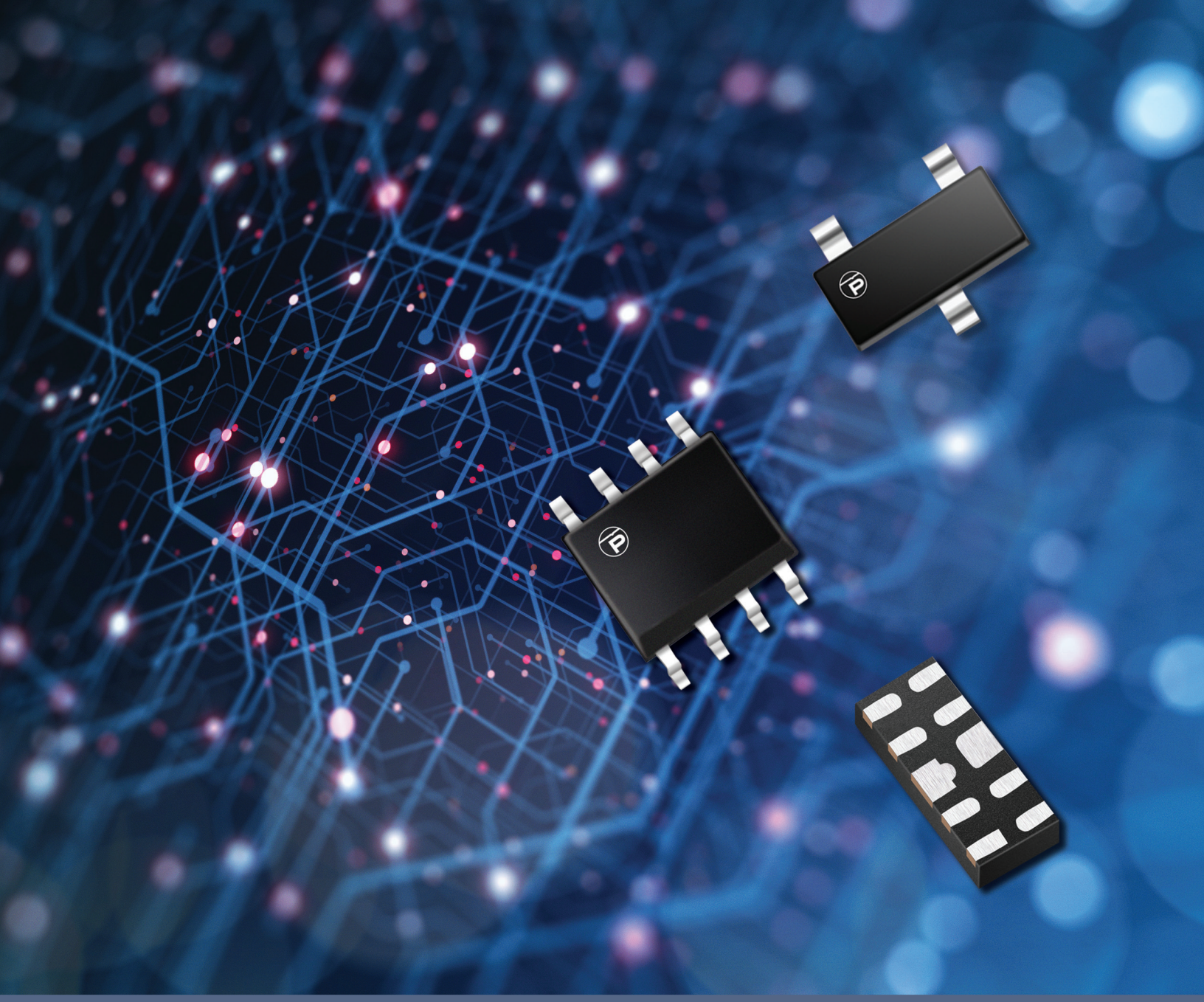

SHORT FORM CATALOG

PROTEK DEVICES®

October 2022 Edition

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ADDITIONAL INFORMATION

1. Not all voltages, configurations or packages are shown. Please contact customer service for more information.
2. ProTek offers protection devices for Automotive applications. The part numbers begin with the prefix 'PAM'.
3. ProTek offers protection devices for LED applications. The part numbers begin with the prefix 'PLED'.
4. The majority of ProTek's package configurations are ROHS and REACH compliant. Please refer to the product specification to determine which product is ROHS/REACH compliant.
5. Standard Tape & Reel Nomenclature
    a. -T7 for 7" Reels, i.e., PSOT05-T7
        i. –T71 for 7" Reels 1,000 pieces per reel, i.e., ESD4-LFC-T71
        ii. –T73 for 7" Reels 3,000 pieces per reel, i.e., ESD4-LFC-T73
    b. -T13 for 13" Reels, i.e., SM8LC05-T13
    c. -TS for sample size Reels, i.e., SM16LC05C-TS
    d. Not all products are available in 7" or 13" reels. Quantities per reel vary depending upon package configuration size. Please consult the product datasheet or customer service for ordering information regarding a specific part series.
6. Do not put products into life support systems without written consent from ProTek Devices.

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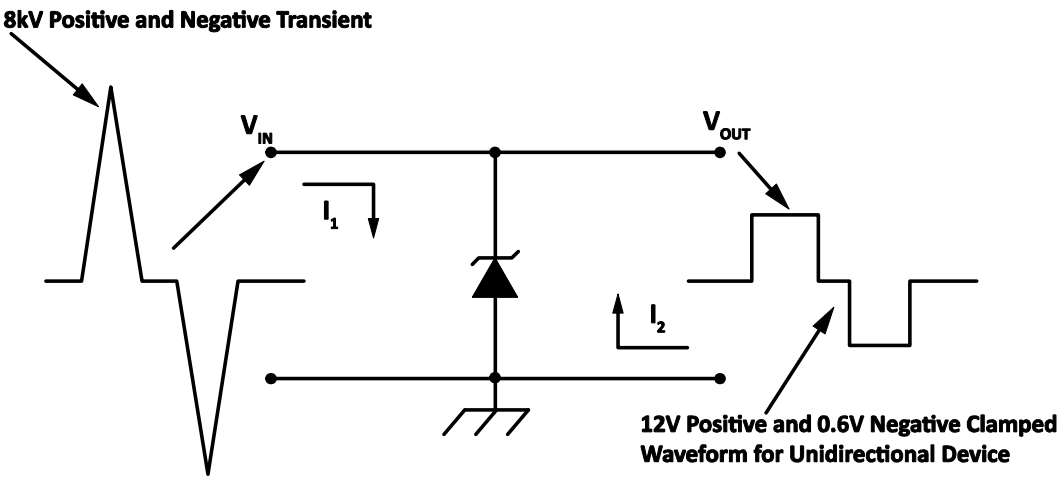
PRODUCT INDEX - ALPHANUMERIC

PRODUCT INDEX - ALPHANUMERIC

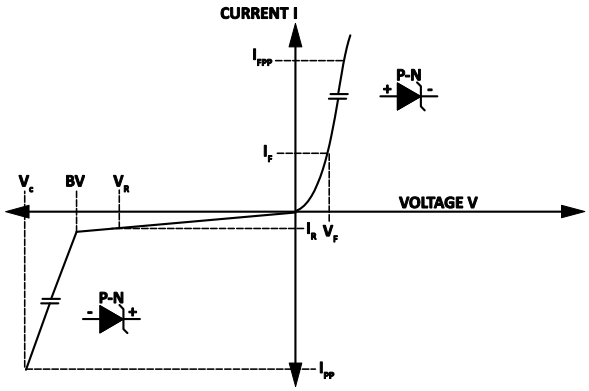
UNIDIRECTIONAL TVS DEVICE SELECTION PROCESS

TVS Clamping Characteristics



Unidirectional TVS

Avalanche Junction TVS
VI Characteristics



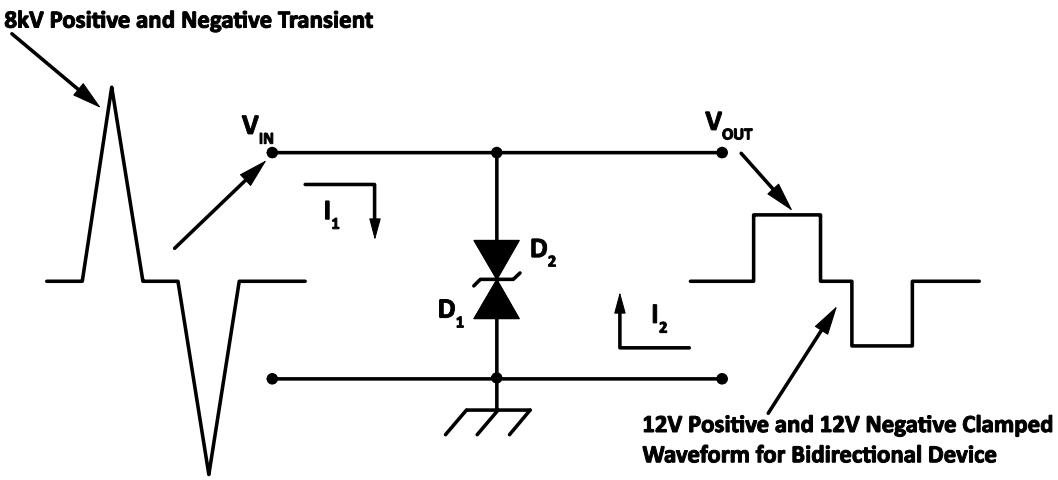
Symbol	Parameter
B_V	Breakdown Voltage
I_R	Leakage Current
V_R	Reverse Stand-Off Voltage
V_C	Clamping Voltage
I_{PP}	Peak Pulse Current

SELECTION PROCESS

TVS Parameters	Application Parameters
Stand-Off Voltage (V_R) $\geq$	Operating Voltage (V_{OP})
Peak Pulse Current (I_P) $\geq$	Transient Current (I_T)
Clamping Voltage (V_C) $\leq$	Voltage Withstand Level (V_{WS})
Input Capacitance of the Device $\leq$	Acceptable Line Loading for Functional Pass

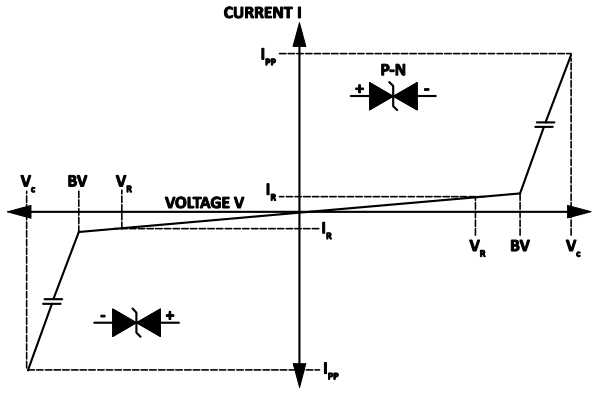
BIDIRECTIONAL TVS DEVICE SELECTION PROCESS

TVS Clamping Characteristics



Bidirectional TVS

Avalanche Junction TVS
VI Characteristics

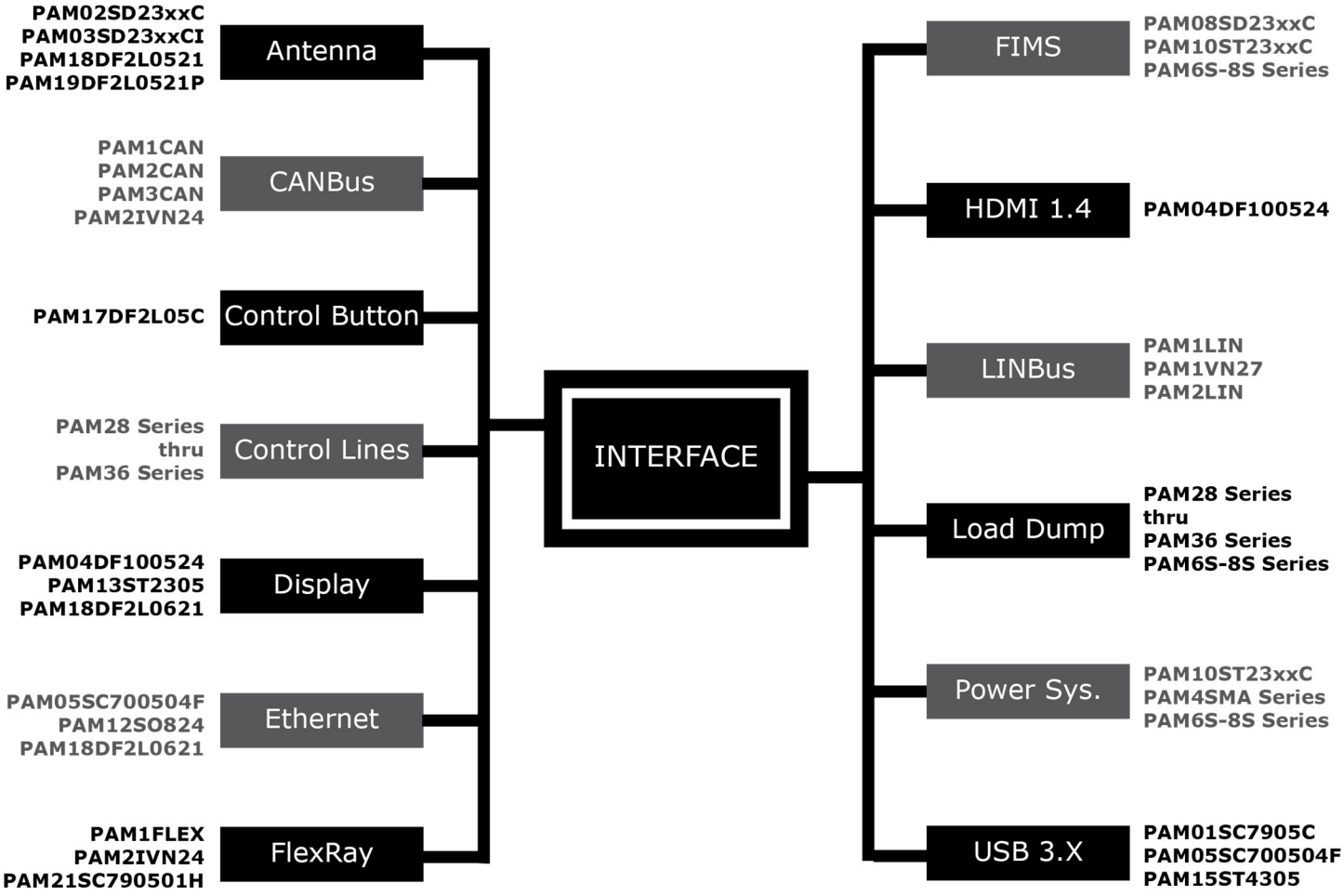


Symbol	Parameter
B_V	Breakdown Voltage
I_R	Leakage Current
V_R	Reverse Stand-Off Voltage
V_C	Clamping Voltage
I_{PP}	Peak Pulse Current

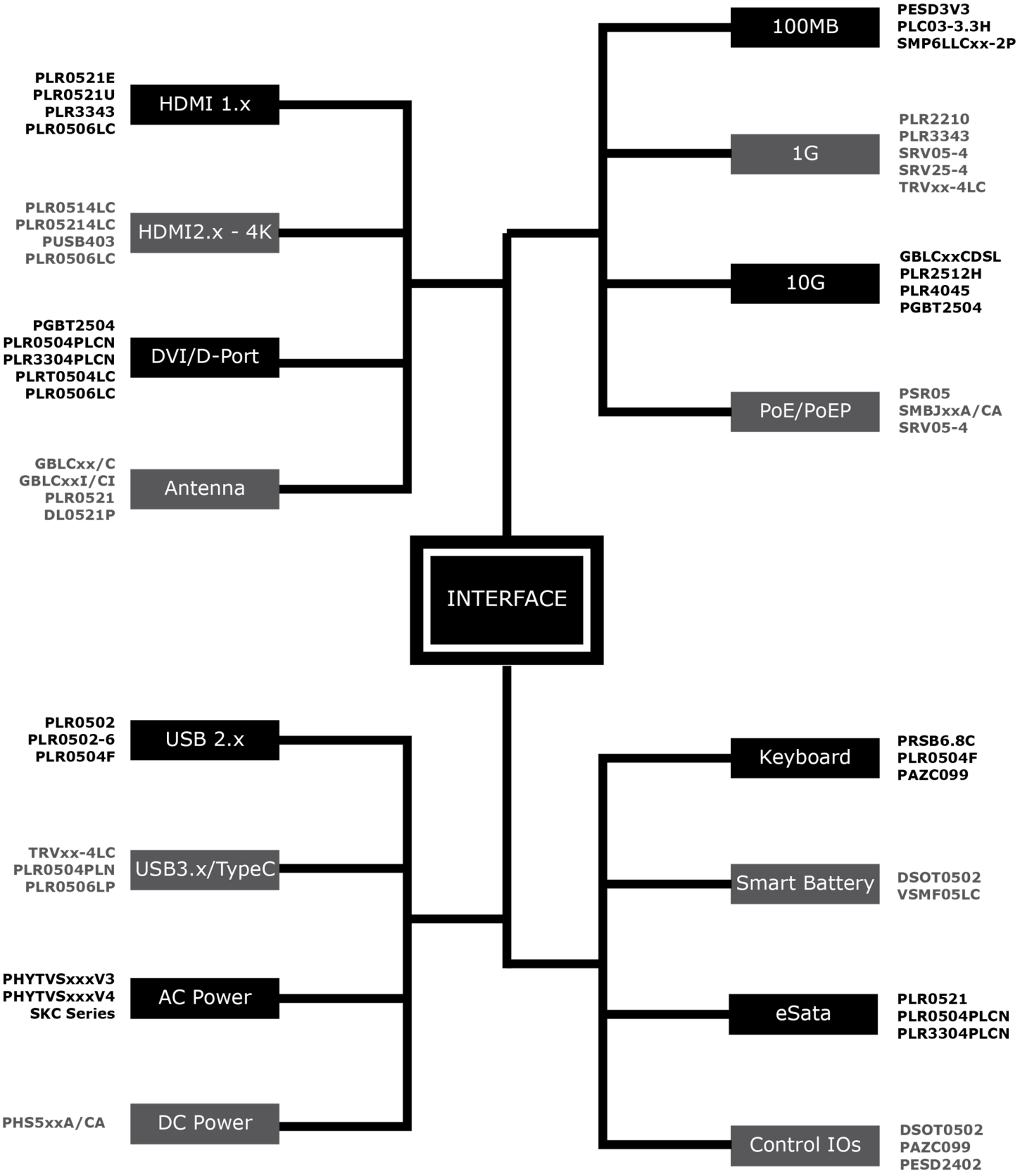
SELECTION PROCESS

TVS Parameters	Application Parameters
Stand-Off Voltage (V_R) $\geq$	Operating Voltage (V_{OP})
Peak Pulse Current (I_P) $\geq$	Transient Current (I_T)
Clamping Voltage (V_C) $\leq$	Voltage Withstand Level (V_{WS})
Input Capacitance of the Device $\leq$	Acceptable Line Loading for Functional Pass

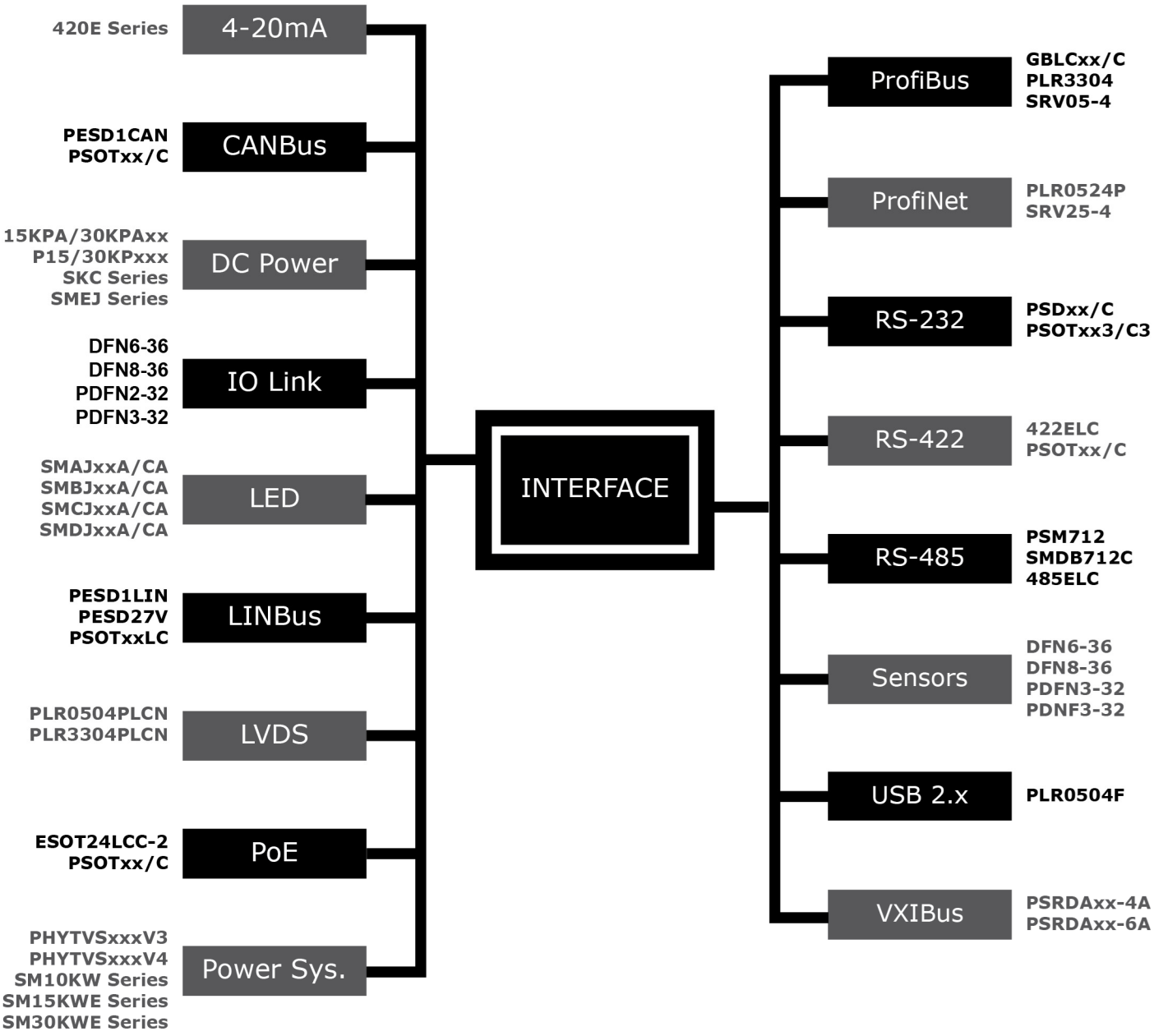
AUTOMOTIVE APPLICATIONS



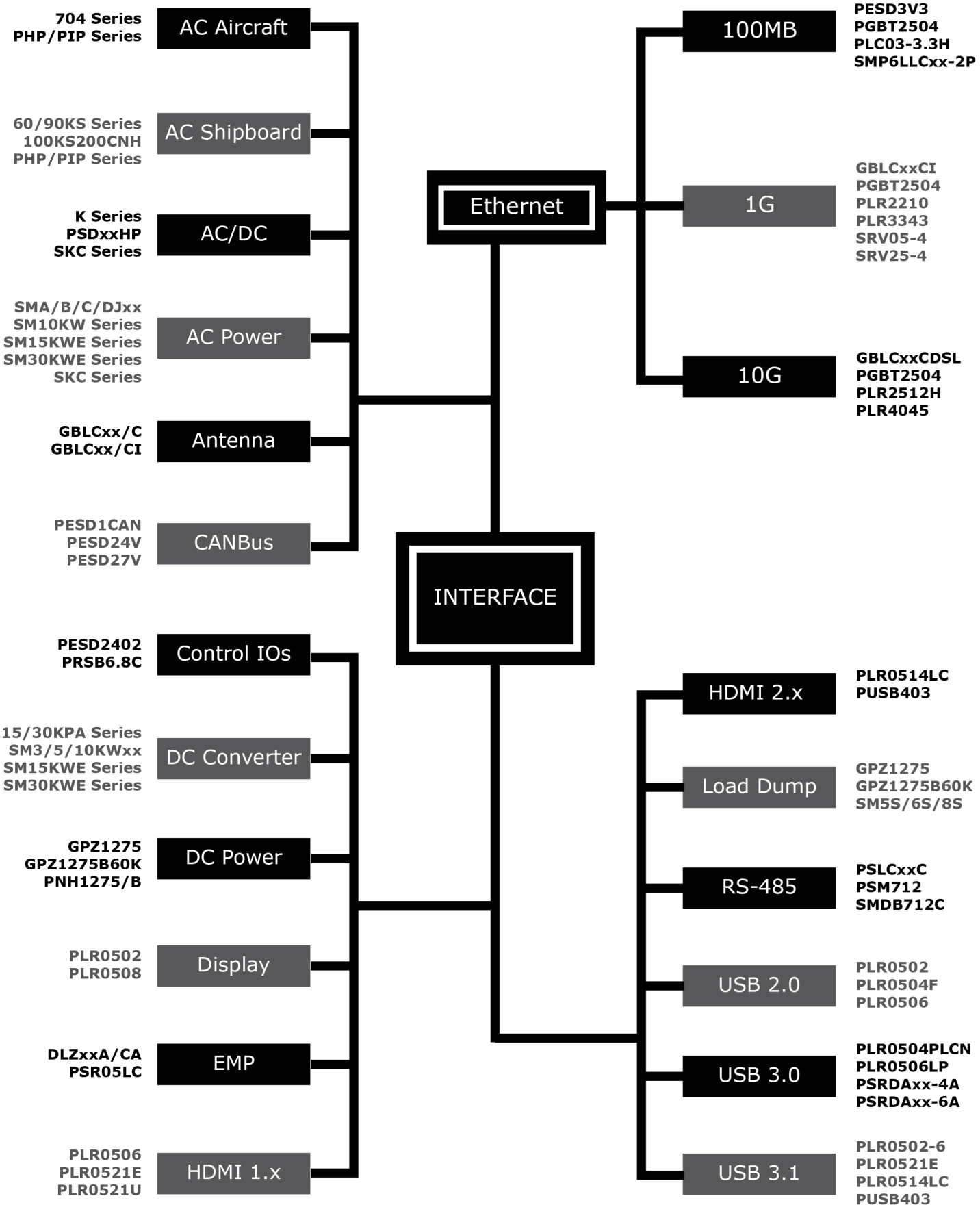
CONSUMER ELECTRONIC APPLICATIONS



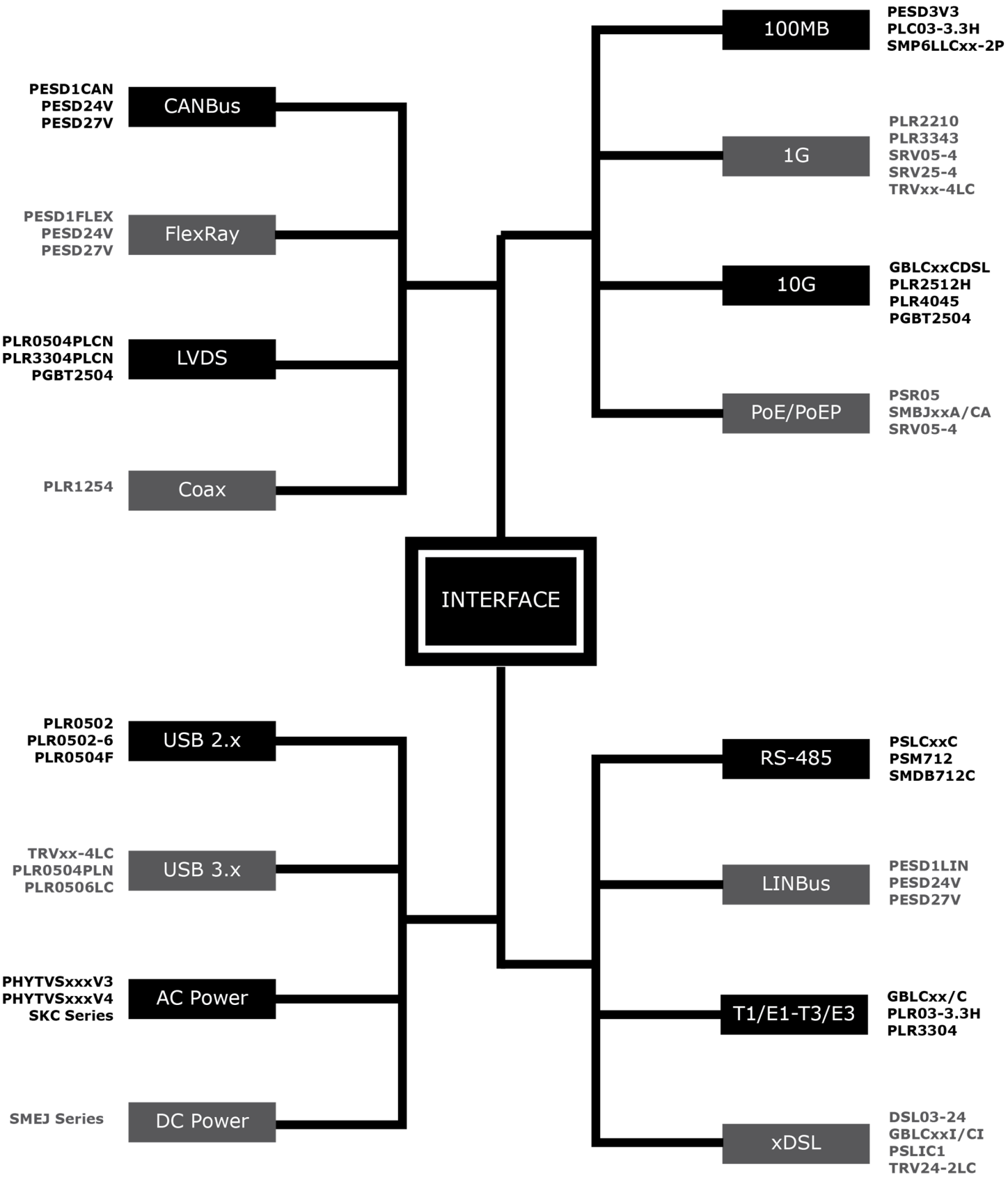
INDUSTRIAL APPLICATIONS



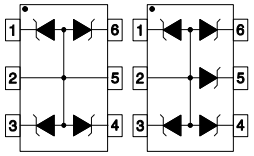
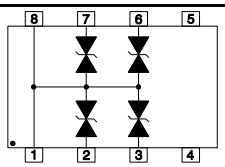
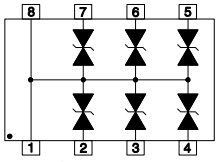
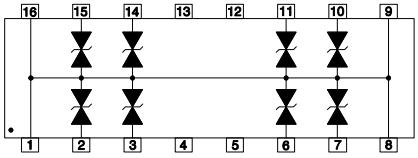
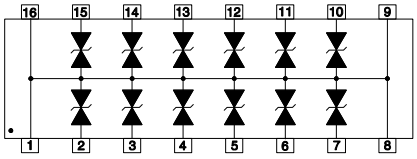
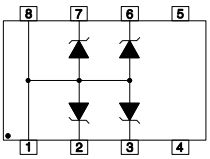
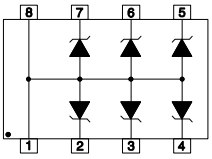
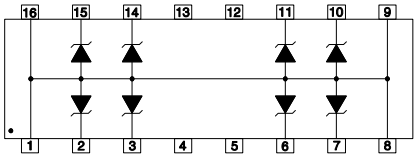
MILITARY/AEROSPACE APPLICATIONS



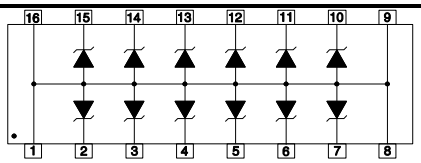
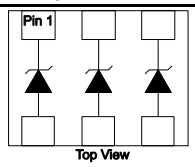
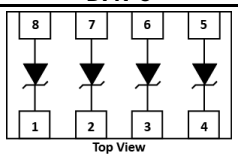
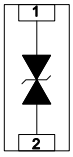
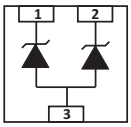
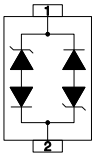
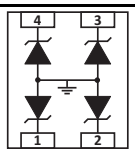
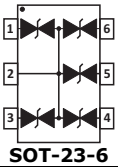
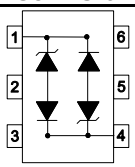
NETWORKING/TELECOM APPLICATIONS



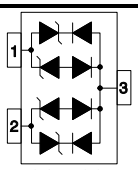
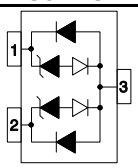
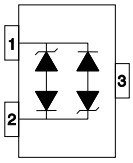
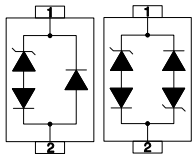
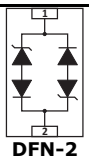
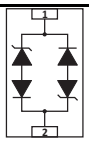
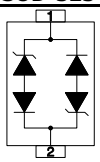
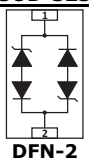
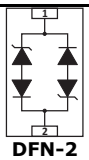
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
CP05	5.0	6.0	9.8	1.0	20	70	4-5	200	 **SOT-23-6**
CP12	12.0	13.3	19.0	1.0	1	50	4-5	200	
CP15	15.0	16.7	24.0	1.0	1	30	4-5	200	
CP24	24.0	26.7	43.0	1.0	1	25	4-5	200	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'CP05C'.									
DA05CL	5.0	6.0	24.6	45.0	200	500	4	800	 **8 PIN DIP**
DA12CL	12.0	13.3	32.9	34.0	2	385	4	800	
DA15CL	15.0	16.7	37.7	27.0	2	300	4	800	
DA24CL	24.0	26.7	53.0	20.0	2	200	4	800	
DA05CM	5.0	6.0	24.6	45.0	200	500	6	800	 **8 PIN DIP**
DA12CM	12.0	13.3	32.9	34.0	2	385	6	800	
DA15CM	15.0	16.7	37.7	27.0	2	300	6	800	
DA24CM	24.0	26.7	53.0	20.0	2	200	6	800	
DA05CN	5.0	6.0	24.6	45.0	200	500	8	800	 **16 PIN DIP**
DA12CN	12.0	13.3	32.9	34.0	2	385	8	800	
DA15CN	15.0	16.7	37.7	27.0	2	300	8	800	
DA24CN	24.0	26.7	53.0	20.0	2	200	8	800	
DA05CP	5.0	6.0	24.6	45.0	200	500	12	800	 **16 PIN DIP**
DA12CP	12.0	13.3	32.9	34.0	2	385	12	800	
DA15CP	15.0	16.7	37.7	27.0	2	300	12	800	
DA24CP	24.0	26.7	53.0	20.0	2	200	12	800	
DA05L	5.0	6.0	24.6	45.0	200	880	4	800	 **8 PIN DIP**
DA12L	12.0	13.3	32.9	34.0	2	440	4	800	
DA15L	15.0	16.7	37.7	27.0	2	400	4	800	
DA24L	24.0	26.7	53.0	20.0	2	275	4	800	
DA05M	5.0	6.0	24.6	45.0	200	880	6	800	 **8 PIN DIP**
DA12M	12.0	13.3	32.9	34.0	2	440	6	800	
DA15M	15.0	16.7	37.7	27.0	2	400	6	800	
DA24M	24.0	26.7	53.0	20.0	2	275	6	800	
DA05N	5.0	6.0	24.6	45.0	200	880	8	800	 **16 PIN DIP**
DA12N	12.0	13.3	32.9	34.0	2	440	8	800	
DA15N	15.0	16.7	37.7	27.0	2	400	8	800	
DA24N	24.0	26.7	53.0	20.0	2	275	8	800	

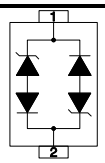
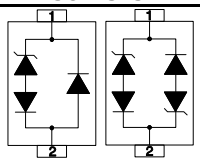
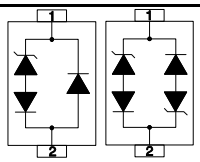
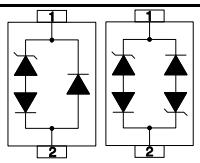
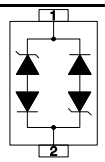
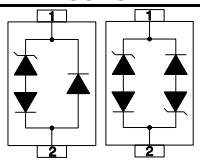
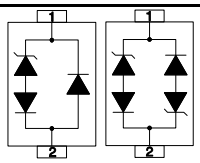
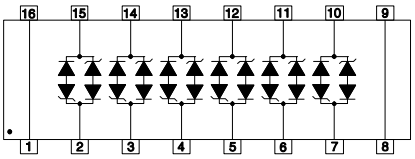
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
DA05P	5.0	6.0	24.6	45.0	200	880	12	800	 **16 PIN DIP**
DA12P	12.0	13.3	32.9	34.0	2	440	12	800	
DA15P	15.0	16.7	37.7	27.0	2	400	12	800	
DA24P	24.0	26.7	53.0	20.0	2	275	12	800	
DFN6-36	33.0	35.0	45.0	2.0	5	50	3	300	 **DFN-6**
DFN8-36	33.0	35.0	45.0	2.0	5	50	4	300	 **DFN-8**
DL0521P	5.0	6.0	20	1.0	1	0.6	1	20	 **DFN-2-0402**
DSOT0502	5.0	6.0	12.5	2.0	2	9	1	25	 **SOT-883**
EBLC05C	5.0	6.0	18.3	17.0	5	3	1	250	 **SOD-323**
EBLC08C	8.0	8.5	28.0	12.0	2	3	1	250	
EBLC12C	12.0	13.3	31.0	8.0	1	3	1	250	
ESD4-DFN	5.0	6.0	12.0	1.0	0.1 @ 3V	7 @ 2.5V	4	25	 **DFN-4**
ESDA05C-5	5.0	6.1	-	-	1	15	5	80	 **SOT-23-6**
ESOT12LCC-1	12.0	13.3	19.0	1.0	1	3	2	250	 **SOT-23-6**

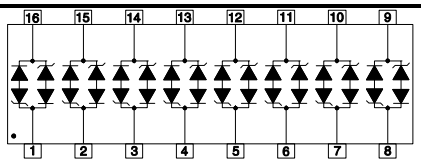
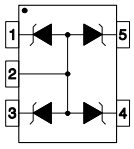
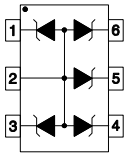
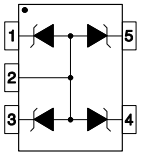
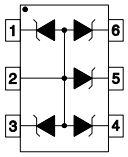
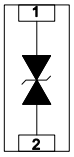
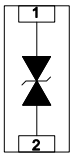
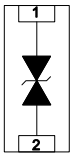
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
ESOT24LCC-2	24.0	26.6	-	-	1	6	2	100	 **SOT-23**
ESOT3.3LC-2	3.3	3.5	6.5	1.0	2	15	2	175	 **SOT-23**
ESOT3.3LCC	3.3	3.6	-	-	2	15	1	50	 **SOT-23**
GBLC03	3.3	4.0	7.0	1.0	5	3	1	350	 **SOD-323**
GBLC05	5.0	6.0	9.8	1.0	5	3	1	350	
GBLC08	8.0	8.5	13.4	1.0	2	3	1	350	
GBLC12	12.0	13.3	19.0	1.0	1	3	1	350	
GBLC15	15.0	16.7	24.0	1.0	1	3	1	350	
GBLC18	18.0	20.0	29.0	1.0	1	3	1	350	
GBLC24	24.0	26.7	43.0	1.0	1	3	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLC05C'.									
GBLC05CDN	5.0	6.0	18.3	17.0	5	3	1	350	 **DFN-2**
GBLC08CDN	8.0	8.5	18.5	17.0	2	3	1	350	
GBLC12CDN	12.0	13.3	26.5	11.0	1	3	1	350	
GBLC15CDN	15.0	16.7	31.8	10.0	1	3	1	350	
GBLC24CDN	24.0	26.7	56.0	6.0	1	3	1	350	
GBLC12CDSL	12.0	13.3	19.0	1.0	1	3	1	350	 **SOD-323**
GBLC24CDSL	24.0	26.7	43.0	1.0	1	3	1	350	
GBLC15CDSLA	15.0	16.7	24.0	1.0	1	3	1	350	 **SOD-323**
GBLC03CIDFN	3.0	4.0	7.0	1.0	1	0.6	1	250	 **DFN-2**
GBLC05CIDFN	5.0	6.1	8.0	1.0	5	0.6	1	250	
GBLC03CIDNHP	3.0	4.0	24.0	20.0	5	0.6	1	500	 **DFN-2**

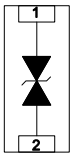
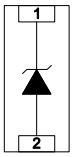
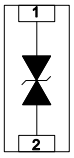
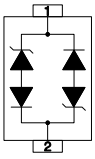
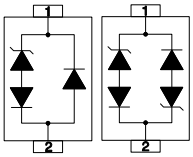
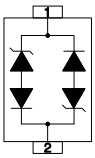
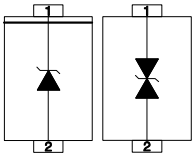
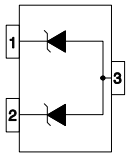
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
GBLC03CIHP	3.0	4.0	24.0	20.0	5	0.6	1	500	 **SOD-323**
GBLC03HP	3.3	4.0	9.5	1.0	0.5	3	1	750	 **SOD-323**
GBLC05HP	5.0	6.0	10.5	1.0	0.5	3	1	750	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLC05CHP'.									
GBLC03I	3.0	4.0	7.0	1.0	5	0.6	1	250	 **SOD-323**
GBLC05I	5.0	6.0	9.8	1.0	5	0.6	1	250	
GBLC08I	8.0	8.5	13.4	1.0	2	0.6	1	250	
GBLC12I	12.0	13.3	19.0	1.0	1	0.6	1	250	
GBLC15I	15.0	16.7	24.0	1.0	1	0.6	1	250	
GBLC18I	18.0	20.0	29.0	1.0	1	0.6	1	250	
GBLC24I	24.0	26.7	43.0	1.0	1	0.6	1	250	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLC05CI'.									
GBLC03LC	3.3	4.0	7.0	1.0	1	0.8	1	250	 **SOD-323**
GBLC05LC	5.0	6.0	9.8	1.0	5	0.7	1	250	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLC05CLC'.									
GBLCSC08CLC	8.0	8.5	13.0	1.0	1	0.4	1	125	 **SC-79**
GBLCSC03	3.3	4.0	13.0	10.0	1	1.5	1	200	 **SC-79**
GBLCSC05	5.0	6.0	16.0	10.0	1	1.5	1	200	
GBLCSC08	8.0	8.5	-	-	1	1.5	1	200	
GBLCSC12	12.0	13.3	-	-	1	1.5	1	200	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLCSC05C'.									
GBLLC03	3.0	4.0	7.0	1.0	1	0.4	1	200	 **SOD-323**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'GBLLC03C'.									
LCA05C	5.0	6.0	24.0	45.0	100	15	6	800	 **16 PIN DIP**
LCA08C	8.0	8.5	25.5	40.0	10	15	6	800	
LCA12C	12.0	13.3	32.0	34.0	4	15	6	800	
LCA15C	15.0	16.7	38.0	27.0	4	15	6	800	
LCA24C	24.0	26.7	48.0	22.0	4	15	6	800	

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
LCD05C	5.0	6.0	24.0	45.0	100	15	8	800	 **16 PIN DIP**
LCD08C	8.0	8.5	25.5	40.0	10	15	8	800	
LCD12C	12.0	13.3	32.0	34.0	4	15	8	800	
LCD15C	15.0	16.7	38.0	27.0	4	15	8	800	
LCD24C	24.0	26.7	48.0	22.0	4	15	8	800	
MSMF05	5.0	6.0	12.0	9.0	1	40	3-4	100	 **SOT-553**
MSMF12	12.0	13.3	23.8	4.2	1	20	3-4	100	
MSMF15	15.0	16.7	33.3	3.0	1	15	3-4	100	
MSMF24	24.0	26.7	55.5	1.8	1	10	3-4	100	
MSMF05C	5.0	6.0	12.0	9.0	1	40	4-5	100	 **SOT-563**
MSMF12C	12.0	13.3	23.8	4.2	1	20	4-5	100	
MSMF15C	15.0	16.7	33.3	3.0	1	15	4-5	100	
MSMF24C	24.0	26.7	55.5	1.8	1	10	4-5	100	
MSMF05LC	5.0	6.0	12.0	2.0	1	9	3-4	25	 **SOT-553**
Note: Also available in SOT-953 package configuration, part number VSMF05LC									
MSMF05LCC	5.0	6.0	12.0	2	1	9	4-5	25	 **SOT-563**
Note: Also available in SOT-963 package configuration, part number VSMF05LCC									
P0201D05C	4.7	5.7	16.0	1.0	0.1	5	1	10	 **DFN-2-0201**
P0402V05	5.0	-	35.0	-	0.10	0.15	1	-	 **CERAMIC-0402**
P0402V15	15.0	-	35.0	-	0.10	0.05	1	-	
P0402VP24	24.0	-	20.0	-	0.10	0.05	1	-	 **CERAMIC-0402**

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
P0603V24	24.0	-	35.0	-	0.10	0.05	1	-	 **0603**
P5V0S1UL	5.0	6.0	9.8	1.0	1	70	1	150	 **DFN-2-0402**
P5V0S1ULC	5.0	6.0	9.8	1.0	1	30	1	110	 **DFN-2-0402**
PAM01SC7905C	5.0	6.0	16.0	10.0	1	1.5	1	200	 **SC-79**
PAM02SD2303	3.3	4.0	7.0	1.0	5	3	1	350	 **SOD-323**
PAM02SD2305	5.0	6.0	9.8	1.0	5	3	1	350	
PAM02SD2308	8.0	8.5	13.4	1.0	2	3	1	350	
PAM02SD2312	12.0	13.3	19.0	1.0	1	3	1	350	
PAM02SD2318	18.0	20.0	29.0	1.0	1	3	1	350	
PAM02SD2324	24.0	26.7	43.0	1.0	1	3	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'PAM02SD2305C'.									
PAM03SD2303CI	3.0	4.0	7.0	1.0	5	0.6	1	250	 **SOD-323**
PAM03SD2305CI	5.0	6.0	9.8	1.0	5	0.6	1	250	
PAM03SD2312CI	12.0	13.3	19.0	1.0	1	0.6	1	250	
PAM03SD2318CI	18.0	20.0	29.0	1.0	1	0.6	1	250	
PAM03SD2324CI	24.0	26.7	43.0	1.0	1	0.6	1	250	
PAM08SD2303	3.3	4.0	6.5	1.0	125	500	1	500	 **SOD-323**
PAM08SD2303C	3.3	4.0	7.0	1.0	125	200	1	400	
PAM08SD2305	5.0	6.0	9.8	1.0	10	350	1	400	
PAM08SD2305C	5.0	6.0	9.8	1.0	10	175	1	400	
PAM05SD2308C	8.0	8.5	13.4	1.0	10	150	1	400	
PAM08SD2312C	12.0	13.3	19.0	1.0	1	50	1	400	
PAM08SD2315	15.0	16.7	24.0	1.0	1	100	1	500	
PAM08SD2324C	24.0	26.7	43.0	1.0	1	40	1	400	
PAM08SD2336C	36.0	40.0	60.0	1.0	1	35	1	400	
PAM10ST2303C	3.3	4.0	10.9	43.0	125	300	1	500	 **SOT-23**
PAM10ST2305C	5.0	6.0	13.5	42.0	20	210	1	500	
PAM10ST2308C	8.0	8.5	16.9	34.0	10	150	1	500	
PAM10ST2312C	12.0	13.3	25.9	21.0	2	90	1	500	
PAM10ST2315C	15.0	16.7	30.0	17.0	1	60	1	500	
PAM10ST2324C	24.0	26.7	49.0	12.0	1	63	1	500	
PAM10ST2336C	36.0	40.0	76.8	9.0	1	60	1	500	

TVS DIODE ARRAYS

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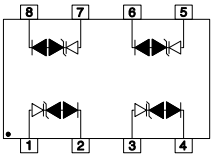
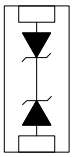
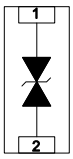
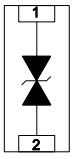
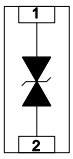
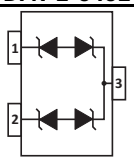
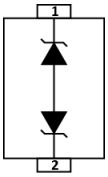
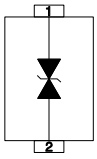
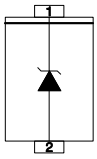
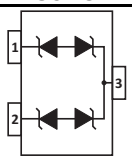
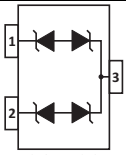
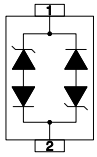
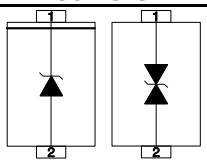
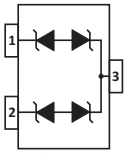
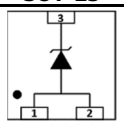
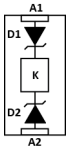
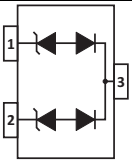
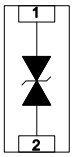
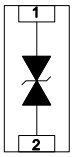
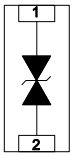
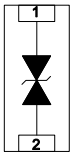
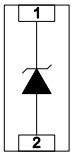
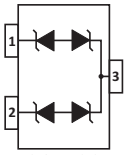
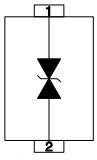
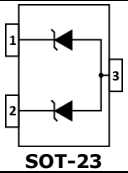
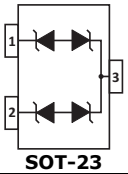
PAM12SO824	2.8	3.0	21.0	30.0	1	3	2P	600	 **SO-8**
PAM17DF2L05C	4.7	5.7	-	-	1	15	1	10	 **DFN-2-0402**
Note: I_{PP} and P_{PP} at 10/1000µs.									
PAM18DF2L0521	5.0	6.0	20.0	3.0	1	0.4	1	80	 **DFN-2-0402**
PAM18DF2L0621	5.5	6.1	18.0	3.0	0.1	0.4	1	80	 **DFN-2-0402**
PAM19DF2L0521P	5.0	6.0	20.0	1.0	1	0.6	1	20	 **DFN-2-0402**
PAM1CAN	24.0	25.4	70.0	3.0	0.05	11	2	200	 **SOT-23**
PAM1FLEX	24.0	25.4	70.0	3.0	0.05	11	2	200	
PAM1IVN27	27.0	28.0	45.0	3.0	0.8	15	1	135	 **SOD-323**
PAM1LIN PIN 1 - 2	15.0	17.2	44.0	5.0	0.045	17	1	200	 **SOD-323**
PIN 2 - 1	24.0	25.5	70.0	3.0	0.045	17	1	200	

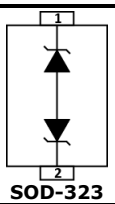
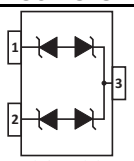
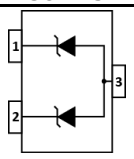
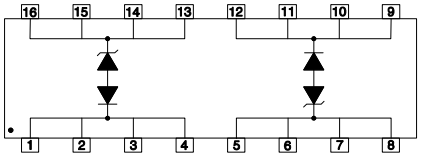
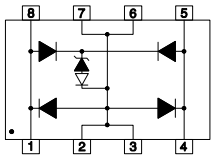
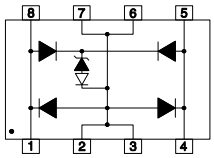
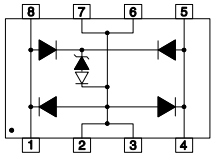
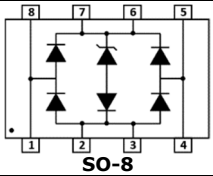
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PAM21SC790501H	5.0	6.0	12.5	16.0	5	120	1	250	 **SC-79**
PAM2CAN	24.0	25.4	60.0	4.0	0.05	11	2	230	 **SOT-23**
PAM2IVN24	24.0	25.5	42.0	3.5	10	20	2	150	 **SOT-23**
PAM2LIN	24.0	26.7	43.0	1.0	0.001	3	2	200	 **SOD-323**
PAM37SD6.0AL	6.0	6.67	10.3	35.9	120	-	1	400	 **SOD-123FL**
Not all voltages are shown for the PAM37SDxxAL Series. Please consult the factory for other voltages.									
PAM37SD58AL	58.0	64.4	93.6	4.3	1	-	1	400	
Note: I_{PP} and P_{PP} @ 10/1000µs. Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional device, such as 'PAM37SD12CAL'.									
PAM3CAN	24.0	25.4	70.0	2.1	0.002	5	2	150	 **SOT-23**
PDFN2-32	32.0	34.0	55.0	25.0	5	-	1	1400	 **DFN2020-3**
PDFN3-32	32.0	34.0	55.0	25.0	0.2	-	1	2800	 **DFN-3**
PDLC05	5.0	6.0	9.8	1.0	5	0.8	1	-	 **SOT-23**

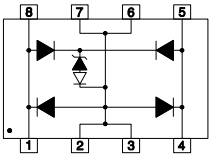
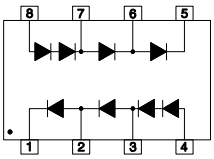
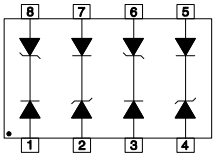
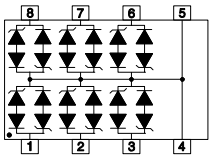
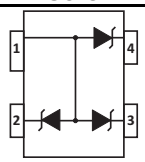
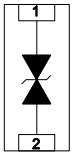
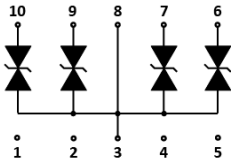
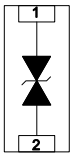
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PESD05B	5.0	5.6	9.5	4.0	1	10	1	40	 **DFN-0603-2**
PESD05BLC	5.0	7.0	9.5	3.0	1	0.42	1	40	 **DFN-0603-2**
PESD05BULC	5.0	5.5	9.5	10.0	0.95	0.35	1	60	 **DFN-0603-2**
PESD12LCB	12.0	14.0	27	4	1	8	1	90	 **DFN-1006-2**
PESD12ULC	12.0	14.5	23	3.5	1	15.5	1	70	 **DFN-0603-2**
PESD1CAN	24.0	25.4	70.0	3.0	0.05	11	2	200	 **SOT-23**
PESD1FLEX	24.0	25.4	70.0	3.0	0.05	11	2	200	
PESD1LIN PIN 1 – 2	15.0	17.2	44.0	5.0	0.045	17	1	200	 **SOD-323**
PIN 2 - 1	24.0	25.5	70.0	3.0	0.045	17	1	200	
PESD2402	24.0	25.4	-	-	0.5	22	2	100	 **SOT-23**
PESD24V	24.0	25.5	42.0	3.5	0.8	20	1	150	 **SOT-23**

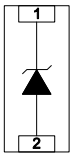
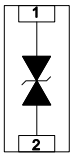
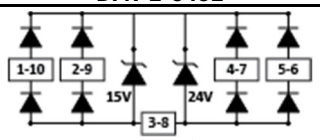
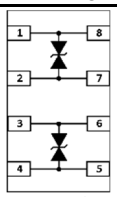
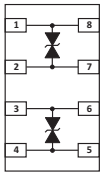
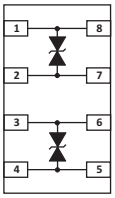
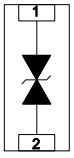
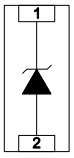
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PESD27V	27.0	28.0	45.0	3.0	0.10	15	1	135	 **SOD-323**
PESD2CAN	24.0	25.4	60.0	4.0	0.05	11	2	230	 **SOT-23**
PESD3V3	3.3	5.2	20.0	20.0	2	20	1	400	 **SOD-323**
PLC01-6	6.0	8.0	16.0	200.0	25	50	1	1500	 **SO-16(WIDE BODY)**
Note: I_{PP} & P_{PP} @ 10/1000µs									
PLC03-3.3	3.0	2.8	22.0	150.0	2	25	1	3300	 **SO-8**
PLC03-3.3-DFN	3.0	2.8	18.0	100.0	2	25	1	1800	 **DFN-6**
PLC03-3.3H	3.0	2.8	25.0	240.0	2	25	1	6000	 **SO-8**
PLC03-3.3V	3.0	2.8	22.0	150.0	2	25	4	3300	 **SO-8**

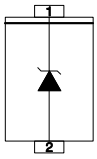
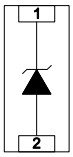
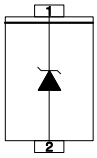
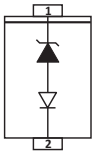
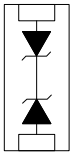
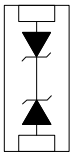
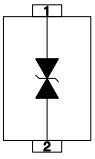
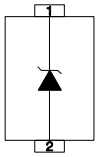
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLC03-3.3LC	3.0	2.8	18.0	100.0	2	6	1	1800	 **SO-8**
PLC03-6LC	6.0	6.8	20.0	90.0	2.5	6	1	1800	
PLC496	1.0	2.5	12.5	30.0	1	1.25	1	500	 **SO-8**
PLCDA03	3.3	4.5	7.0	1.0	125	5	2	500	 **SO-8**
PLCDA05	5.0	6.0	9.8	1.0	20	5	2	500	
PLCDA08	8.0	8.5	13.4	1.0	10	5	2	500	
PLCDA12	12.0	13.3	19.0	1.0	1	5	2	500	
PLCDA15	15.0	16.7	24.0	1.0	1	5	2	500	
PLCDA24	24.0	26.7	43.0	1.0	1	5	2	500	
PLCDA03C-6	3.3	4.5	7.0	1.0	125	8	6	500	 **SO-8**
PLCDA05C-6	5.0	6.0	9.8	1.0	20	8	6	500	
PLCDA08C-6	8.0	8.5	13.4	1.0	10	8	6	500	
PLCDA12C-6	12.0	13.3	19.0	1.0	2	8	6	500	
PLCDA15C-6	15.0	16.7	24.0	1.0	2	8	6	500	
PLR0503	5.0	6.0	12.5	2.0	1	9	1	25	 **SOT-143**
PLR0521	5.0	6.0	20.0	4.0	1	0.4	1	80	 **DFN-2-0402**
PLR05214LC	5.0	6.0	13.0	1.0	0.5	0.35	4	100	 **DFN-10**
PLR0521E	5.0	6.0	20.0	4.0	1	0.4	1	80	 **DFN-2-0402**

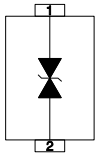
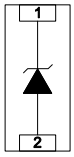
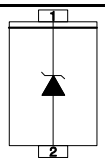
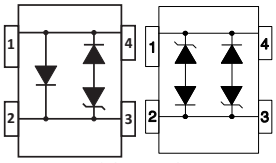
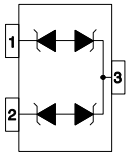
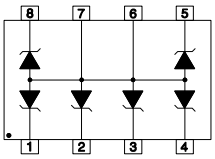
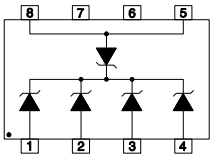
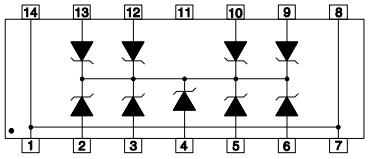
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLR0521U	5.0	6.0	20.0	4.0	1	0.8	1	80	 **DFN-2-0402**
PLR0621	5.5	6.1	14.0	1.0	0.1	0.4	1	80	 **DFN-2-0402**
PLR1524	15.0 24.0	16.7 16.7	35.0 50.0	1.0 1.0	0.1	1.2	4	60	 **DFN-10**
PLR2210	2.5	2.7	6.0	2.0	0.05	0.6	2	170	 **DFN-8**
PLR2512H	2.5	2.7	8.0	10.0	0.05	3	2P	100	 **DFN-8**
PLR2512	2.5	2.7	10.2	10.0	0.05	3	2P	100	 **DFN-8**
PLR3312	3.3	3.5	11.0	10.0	0.05	3	2P	100	
PLR3311	3.3	3.3	8.0	5.0	0.05	5	1	40	 **DFN-2**
PLW0501D	5.0	6.0	9.8	1.0	1	70	1	150	 **DFN-2-0402**

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLW0501H	5.0	6.0	12.5	16.0	5	120	1	250	 **SC-79**
PLW0501P	5.0	6.0	12.5	16.0	5	120	1	250	 **DFN-2-0402**
PLW1201H	12.0	13.3	24.0	5.0	1	50	1	200	 **SC-79**
PLW2.8	2.8	3.0	5.0	1.0	1	6	1	50	 **SC-79**
PRSB6.8C	4.7	5.7	17.5	3.0	0.5	15	1	50	 **DFN-2-0402**
PRSB6.8CT	4.7	5.7	-	-	1	15	1	10	 **DFN-2-0402**
Note: I_{PP} & P_{PP} @ 10/1000µs.									
PRSB6.8D	4.7	5.7	-	-	1	15	1	10	 **SOD-923**
Note: I_{PP} & P_{PP} @ 10/1000µs.									
PSD03	3.3	4.0	6.5	1.0	125	500	1	500	 **SOD-323**
PSD05	5.0	6.0	9.8	1.0	10	350	1	500	
PSD08	8.0	8.5	13.4	1.0	10	250	1	500	
PSD12	12.0	13.3	19.0	1.0	1	150	1	500	
PSD15	15.0	16.7	24.0	1.0	1	100	1	500	
PSD18	18.0	20.0	29.0	1.0	1	90	1	500	
PSD24	24.0	26.7	43.0	1.0	1	88	1	500	
PSD36	36.0	40.0	60.0	1.0	1	75	1	500	

TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PSD03C	3.3	4.0	7.0	1.0	125	200	1	400	 **SOD-323**
PSD05C	5.0	6.0	9.8	1.0	10	175	1	400	
PSD08C	8.0	8.5	13.4	1.0	10	150	1	400	
PSD12C	12.0	13.3	19.0	1.0	1	50	1	400	
PSD15C	15.0	16.7	24.0	1.0	1	40	1	400	
PSD18C	18.0	20.0	29.0	1.0	1	40	1	400	
PSD24C	24.0	26.7	43.0	1.0	1	40	1	400	
PSD36C	36.0	40.0	60.0	1.0	1	35	1	400	
PSD0561	5.0	6.0	16.0	90.0	0.3	800	1	1400	 **DFN-2**
PSD3261	32.0	34.0	60.0	25.0	0.2	300	1	1400	
PSD05HP	5.0	6.0	15.0	72.0	20	800	1	1000	 **SOD-323**
PSD10HP	10.0	11.0	25.0	45.0	2	500	1	1000	
PSD12HP	12.0	13.3	32.0	34.0	2	440	1	1000	
PSLC03	3.3	4.0	19.0	20.0	125	3	1	350	 **SOT-143**
PSLC05	5.0	6.0	18.3	17.0	20	3	1	350	
PSLC08	8.0	8.5	18.5	17.0	10	3	1	350	
PSLC12	12.0	13.3	28.6	11.0	1	3	1	350	
PSLC15	15.0	16.6	31.8	10.0	1	3	1	350	
PSLC24	24.0	26.7	56.0	6.0	1	3	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'PSLC05C'.									
PSM712 Pin 3-1, 3-2 Pin 1-3, 2-3	 7.0 12.0	 7.5 13.3	 17.0 30.0	 34.0 30.0	 20 1	 75 75	 1 1	 600 600	 **SOT-23**
PSMDA05-6	5.0	6.0	18.0	17.0	20	120	5-6	350	 **SO-8**
PSMDA05C-4	5.0	6.0	19.0	30.0	100	350	4	500	 **SO-8**
PSMDA12C-4	12.0	13.3	29.0	20.0	1	150	4	500	
PSMDA15C-4	15.0	16.7	32.0	18.0	1	120	4	500	
PSMDA24C-4	24.0	26.7	45.0	13.0	1	100	4	500	
PSMDA05C-8	5.0	6.0	15.4	30.0	100	350	8	450	 **SO-14**
PSMDA12C-8	12.0	13.4	26.4	17.0	1	150	8	450	
PSMDA15C-8	15.0	16.7	32.4	14.0	1	120	8	450	
PSMDA24C-8	24.0	26.7	45.0	10.0	1	100	8	450	

TVS DIODE ARRAYS

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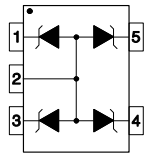
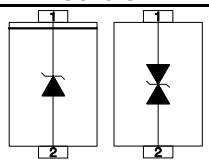
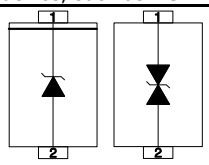
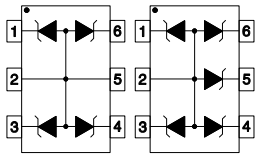
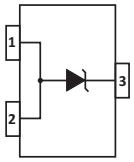
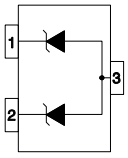
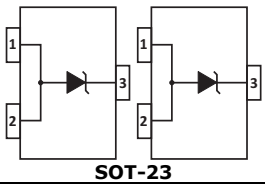
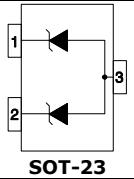
PSMF05	5.0	6.0	9.5	1.0	10	60	4	100	 **SC70-5L**
PSMF6.0AL	6.0	6.67	10.3	35.9	120	-	1	400	 **SOD-123FL**
Not all voltages are shown for the PSMFxxAL Series. Please consult the factory for other voltages.									
PSMF58AL	58.0	64.4	93.6	4.3	1	-	1	400	
Note: I_{PP} and P_{PP} @ 10/1000µs. Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional device, such as 'PSMF12CAL'.									
PSMF6.0BL	6.0	6.67	10.3	19.4	100	-	1	200	 **SOD-123FL**
Not all voltages are shown for the PSMFxxBL Series. Please consult the factory for other voltages.									
PSMF58BL	58.0	64.4	93.6	2.1	1	-	1	200	
Note: I_{PP} and P_{PP} @ 10/1000µs. Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional device, such as 'PSMF12CBL'.									
PSMS05	5.0	6.0	9.8	1.0	20	150	4-5	350	 **SOT-23-6**
PSMS12	12.0	13.3	19.0	1.0	1	80	4-5	350	
PSMS15	15.0	16.7	24.0	1.0	1	50	4-5	350	
PSMS24	24.0	26.7	40.0	1.0	1	40	4-5	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'PSMS05C'. PSMS05/C Series are identical to SMS05/C Series.									
PSOT03	3.3	4.0	10.9	43.0	125	500	1	500	 **SOT-23**
PSOT05	5.0	6.0	13.5	42.0	20	350	1	500	
PSOT08	8.0	8.5	16.9	34.0	10	250	1	500	
PSOT12	12.0	13.3	25.9	21.0	2	150	1	500	
PSOT15	15.0	16.7	30.0	17.0	1	100	1	500	
PSOT24	24.0	26.7	49.0	12.0	1	88	1	500	
PSOT36	36.0	40.0	76.8	9.0	1	80	1	500	
PSOT03C	3.3	4.0	10.9	43.0	125	300	1	500	 **SOT-23**
PSOT05C	5.0	6.0	13.5	42.0	20	210	1	500	
PSOT08C	8.0	8.5	16.9	34.0	10	150	1	500	
PSOT12C	12.0	13.3	25.9	21.0	2	90	1	500	
PSOT15C	15.0	16.7	30.0	17.0	1	60	1	500	
PSOT24C	24.0	26.7	49.0	12.0	1	63	1	500	
PSOT36C	36.0	40.0	76.8	9.0	1	60	1	500	
PSOT053	5.0	6.0	19.0	16.0	20	350	1	300	 **SOT-23**
PSOT123	12.0	13.3	28.0	11.0	1	150	1	300	
PSOT153	15.0	16.7	30.0	10.0	1	100	1	300	
PSOT243	24.0	26.7	50.0	6.0	1	88	1	300	
PSOT053C	5.0	6.0	19.0	16.0	20	210	1	300	
PSOT123C	12.0	13.3	28.0	11.0	1	90	1	300	
PSOT153C	15.0	16.7	30.0	10.0	1	60	1	300	
PSOT243C	24.0	26.7	50.0	6.0	1	63	1	300	
PSOT05CLP	5.0	6.0	9.8	1.0	10	210	1	300	 **SOT-23**

TVS DIODE ARRAYS

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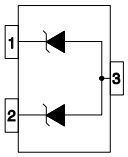
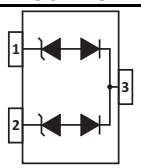
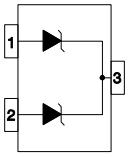
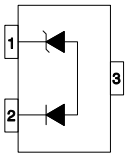
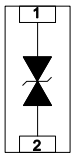
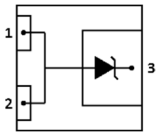
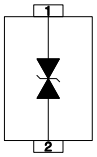
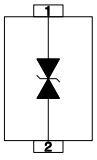
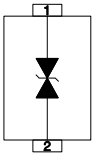
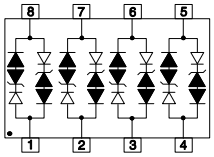
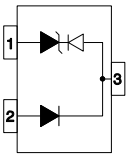
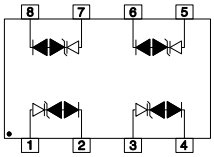
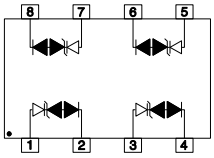
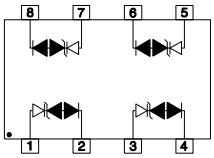
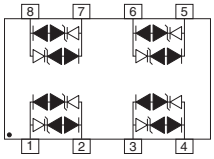
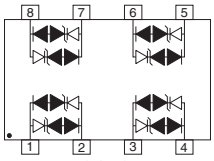
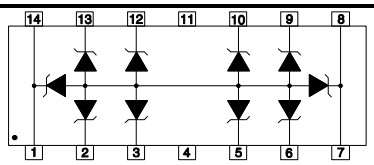
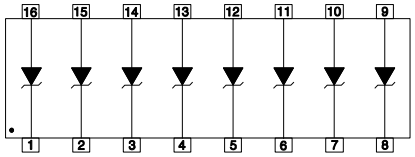
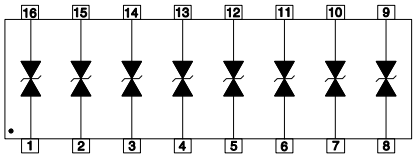
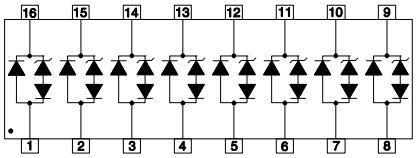
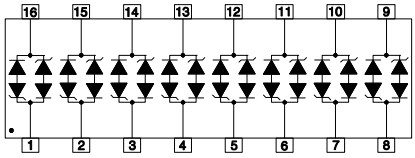
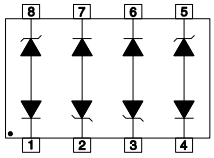
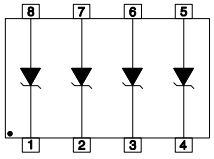
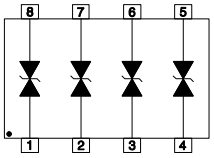
PSOT05LCC	5.0	6.0	15.0	20.0	10	120	1-2	300	 **SOT-23**
PSOT05ULC	5.0	6.0	9.8	1.0	5	0.8	2	250	 **SOT-23**
PSOT15KCA	12.8	14.3	33.0	9.0	0.1	120	2	300	 **SOT-23**
PSOT36KCA	33.0	36.0	66.0	6.0	0.1	45	2	300	
PSOT03LC	3.3	4.0	9.0	5.0	125	5	1	500	 **SOT-23**
PSOT05LC	5.0	6.0	11.0	5.0	20	5	1	500	
PSOT08LC	8.0	8.5	15.0	5.0	10	5	1	500	
PSOT12LC	12.0	13.3	23.0	5.0	1	5	1	500	
PSOT15LC	15.0	16.7	28.0	5.0	1	5	1	500	
PSOT24LC	24.0	26.7	46.0	5.0	1	5	1	500	
PSOT36LC	36.0	40.0	68.0	5.0	1	5	1	500	
PSSB05P	5.0	6.0	20.0	1.0	1	0.3	1	20	 **DFN-2-0402**
PTVS5.0A	5.0	6.2	14.7	204	2000	-	1	3000	 **DFN2020-3**
PTVS7.5A	7.0	8.0	19.0	200	1000	-	1	3000	
PTVS10A	10.0	11.10	23.0	148	50	-	1	3000	
PTVS12A	12.0	13.30	25.2	131	50	-	1	3000	
PTVS15A	15.0	16.70	28.8	111	50	-	1	3000	
PTVS18A	18.0	20.00	32.0	97	50	-	1	3000	
PTVS24A	24.0	25.5	43.5	69	50	-	1	3000	
RSB6.8B	4.7	5.7	-	-	0.5	30	1	10	 **SOD-323**
Note: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
RSB6.8G	4.7	5.7	-	-	0.5	15	1	10	 **SOD-723**
Note: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									

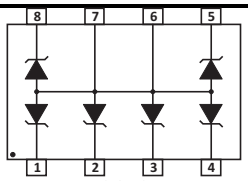
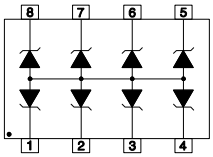
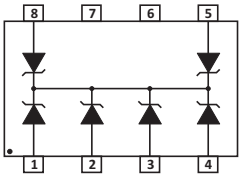
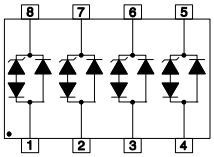
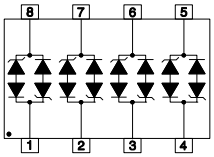
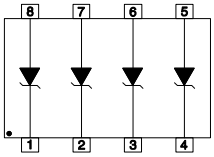
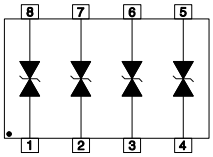
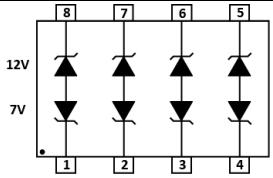
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
RSB6.8S	4.7	5.7	-	-	0.5	30	1	10	 **SC-79**
Not: I_{PP} and P_{PP} @ 10/1000µs, Leakage Current – V_{WM} @ 3.5V									
SLVDA2.8LC	2.8	3.0	21.0	30.0	1	5	4P	600	 **SO-8**
SLVU2.8	2.8	3.0	21.0	30.0	1	2.5	1	600	 **SOT-23**
SLVU2.8-4	2.8	3.0	21.0	30.0	1	3	2P	600	 **SO-8**
SLVU2.8-4G	2.8	3.0	18.0	24.0	0.1	2	2P	600	 **SO-8**
SLVU2.8-4LC	2.8	3.0	18.0	24.0	0.1	1.5	2P	600	 **SO-8**
SLVU2.8-8	2.8	3.0	17.0	30.0	1	6.0	4P	600	 **SO-8**
SLVU2.8-8G	2.8	3.0	17.0	30.0	1	3.7	4P	500	 **SO-8**

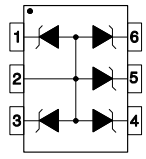
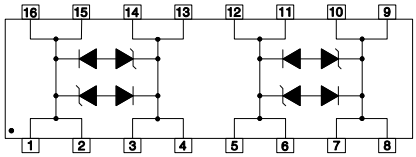
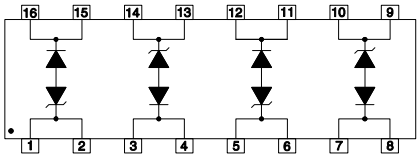
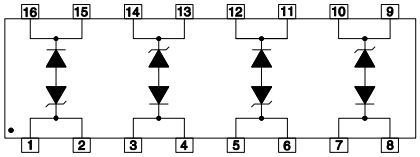
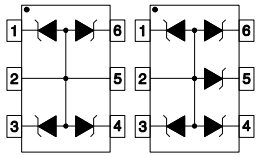
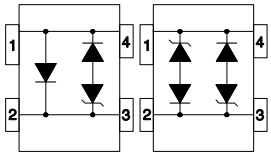
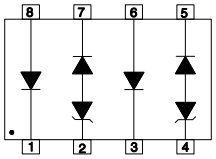
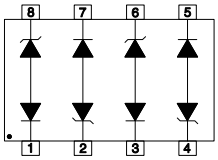
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
SM14M05C	5.0	6.0	17.8	47.0	100	500	8	800	 **SO-14**
SM14M08C	8.0	8.5	20.1	40.0	10	440	8	800	
SM14M12C	12.0	13.3	26.6	34.0	2	385	8	800	
SM14M15C	15.0	16.7	33.1	25.0	2	300	8	800	
SM14M24C	24.0	26.7	42.1	19.0	2	200	8	800	
SM1603	3.3	4.0	10.9	43.0	125	800	8	500	 **SO-16**
SM1605	5.0	6.0	13.5	42.0	10	550	8	500	
SM1608	8.0	8.5	16.9	34.0	10	500	8	500	
SM1612	12.0	13.4	25.9	21.0	2	185	8	500	
SM1615	15.0	16.7	30.0	17.0	2	140	8	500	
SM1624	24.0	26.7	49.0	12.0	2	88	8	500	
SM1603C	3.3	4.0	10.9	43.0	125	450	8	500	 **SO-16**
SM1605C	5.0	6.0	13.5	42.0	10	310	8	500	
SM1608C	8.0	8.5	16.9	34.0	10	280	8	500	
SM1612C	12.0	13.4	25.9	21.0	2	105	8	500	
SM1615C	15.0	16.7	30.0	17.0	2	80	8	500	
SM1624C	24.0	26.7	49.0	12.0	2	50	8	500	
SM16LC03	3.3	4.5	20.0	35.0	125	15	8	500	 **SO-16**
SM16LC05	5.0	6.0	24.0	42.0	20	15	8	500	
SM16LC08	8.0	8.5	26.0	30.0	10	15	8	500	
SM16LC12	12.0	13.3	33.0	21.0	2	15	8	500	
SM16LC15	15.0	16.7	39.0	15.0	2	15	8	500	
SM16LC24	24.0	26.7	57.0	10.0	2	15	8	500	
SM16LC36	36.0	40.0	72.0	7.0	2	15	8	500	
SM16LC03C	3.3	4.5	20.0	35.0	125	15	8	500	 **SO-16**
SM16LC05C	5.0	6.0	24.0	42.0	20	15	8	500	
SM16LC08C	8.0	8.5	26.0	30.0	10	15	8	500	
SM16LC12C	12.0	13.3	33.0	21.0	2	15	8	500	
SM16LC15C	15.0	16.7	39.0	15.0	2	15	8	500	
SM16LC24C	24.0	26.7	57.0	10.0	2	15	8	500	
SM16LC36C	36.0	40.0	72.0	7.0	2	15	8	500	
SM8LC05	5.0	6.0	24.6	45.0	100	25	2P	800	 **SO-8**
SM8LC08	8.0	8.5	25.5	40.0	10	25	2P	800	
SM8LC12	12.0	13.3	32.9	34.0	4	25	2P	800	
SM8LC15	15.0	16.7	38.5	27.0	4	25	2P	800	
SM8LC24	24.0	26.7	48.5	22.0	4	25	2P	800	
SMDA03	3.3	4.0	7.0	5.0	125	800	4	500	 **SO-8**
SMDA05	5.0	6.0	10.0	5.0	20	550	4	500	
SMDA08	8.0	8.5	14.0	5.0	10	500	4	500	
SMDA12	12.0	13.3	22.0	5.0	1	185	4	500	
SMDA15	15.0	16.7	27.0	5.0	1	140	4	500	
SMDA24	24.0	26.7	45.0	5.0	1	88	4	500	
SMDA36	36.0	40.0	65.0	5.0	1	80	4	500	
SMDA03C	3.3	4.5	9.0	5.0	125	450	4	500	 **SO-8**
SMDA05C	5.0	6.0	10.0	5.0	20	308	4	500	
SMDA08C	8.0	8.5	14.0	5.0	10	300	4	500	
SMDA12C	12.0	13.3	22.0	5.0	1	105	4	500	
SMDA15C	15.0	16.7	27.0	5.0	1	80	4	500	
SMDA24C	24.0	26.7	45.0	5.0	1	50	4	500	
SMDA36C	36.0	40.0	65.0	5.0	1	45	4	500	

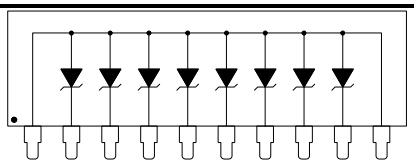
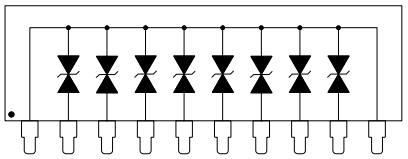
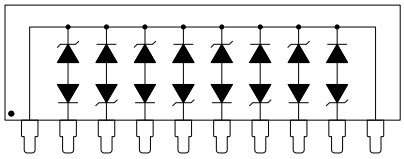
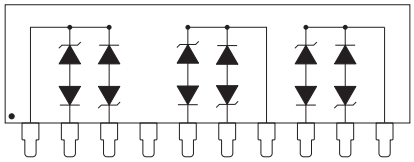
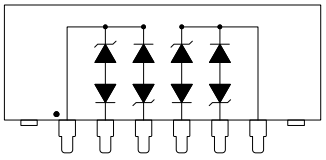
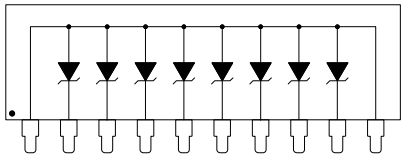
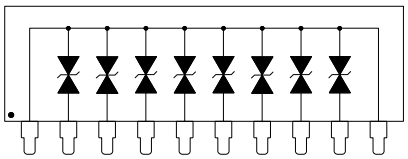
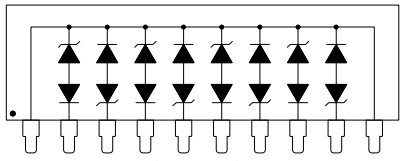
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
SMDA03-6	3.3	4.0	9.0	5.0	75	300	5-6	300	 **SO-8**
SMDA05-6	5.0	6.0	11.0	5.0	20	308	5-6	300	
SMDA12-6	12.0	13.3	24.0	5.0	1	185	5-6	300	
SMDA15-6	15.0	16.7	30.0	5.0	1	140	5-6	300	
SMDA24-6	24.0	26.7	55.0	5.0	1	80	5-6	300	
SMDA05CM	5.0	6.0	19.0	30.0	100	350	4-7	500	 **SO-8**
SMDA08CM	8.0	8.5	23.7	24.0	10	300	4-7	500	
SMDA12CM	12.0	13.4	29.2	20.0	1	150	4-7	500	
SMDA15CM	15.0	16.7	31.1	18.0	1	100	4-7	500	
SMDA24CM	24.0	26.7	45.0	13.0	1	63	4-7	500	
SMDA05CN-5	5.0	6.0	19.0	30.0	10	350	5	500	 **SO-8**
SMDA12CN-5	12.0	13.4	29.0	20.0	1	150	5	500	
SMDA15CN-5	15.0	16.7	31.0	18.0	1	75	5	500	
SMDA24CN-5	24.0	26.7	45.0	13.0	1	63	5	500	
SMDA03LC	3.3	4.5	10.9	43.0	125	15	4	500	 **SO-8**
SMDA05LC	5.0	6.0	13.5	42.0	20	15	4	500	
SMDA08LC	8.0	8.5	16.9	34.0	10	15	4	500	
SMDA12LC	12.0	13.3	25.9	27.0	1	15	4	500	
SMDA15LC	15.0	16.7	30.0	17.0	1	15	4	500	
SMDA24LC	24.0	26.7	49.0	12.0	1	15	4	500	
SMDA03LCC	3.3	4.5	10.9	43.0	125	15	4	500	 **SO-8**
SMDA05LCC	5.0	6.0	13.5	42.0	20	15	4	500	
SMDA08LCC	8.0	8.5	16.9	34.0	10	15	4	500	
SMDA15LCC	15.0	16.7	30.0	17.0	1	15	4	500	
SMDA24LCC	24.0	26.7	49.0	12.0	1	15	4	500	
SMDB05	5.0	6.0	24.6	45.0	25	880	4	800	 **SO-8**
SMDB08	8.0	8.5	25.5	40.0	10	800	4	800	
SMDB12	12.0	13.3	32.9	34.0	2	440	4	800	
SMDB15	15.0	16.7	38.5	27.0	2	400	4	800	
SMDB24	24.0	26.7	48.5	20.0	2	275	4	800	
SMDB05C	5.0	6.0	24.6	45.0	25	493	4	800	 **SO-8**
SMDB08C	8.0	8.5	25.5	40.0	10	450	4	800	
SMDB12C	12.0	13.3	32.9	34.0	2	248	4	800	
SMDB15C	15.0	16.7	38.5	27.0	2	225	4	800	
SMDB24C	24.0	26.7	48.5	20.0	2	155	4	800	
SMDB712C	7.0 12.0	8.5 13.3	25.5 32.9	40.0 34.0	10 2	284	1	800	 **SO-8**

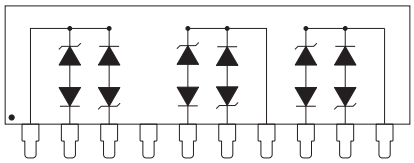
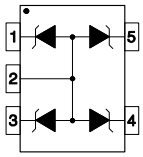
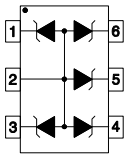
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
SMF05C	5.0	6.0	9.8	5.0	5	60	4-5	100	 **SC70-6L**
SMF12C	12.0	13.3	18.0	5.0	1	30	4-5	100	
SMF15C	15.0	16.7	22.0	5.0	1	25	4-5	100	
SMF24C	24.0	26.7	50.0	5.0	1	20	4-5	100	
SMLC6.5C-2	6.5	7.2	28.0	150.0	300	30	2P	3900	 **SO-16**
SMLC12C-2	12.0	13.3	35.0	140.0	2	30	2P	3900	
SMP6LC05-2P	5.0	6.0	26.0	150	300	15	2P	3900	 **SO-16**
SMP6LC6.5-2P	6.5	7.2	28.0	150	300	15	2P	3900	
SMP6LC08-2P	8.0	8.6	30.0	140	25	15	2P	3900	
SMP6LC12-2P	12.0	13.3	35.0	140	2	15	2P	3900	
SMP6LC15-2P	15.0	16.7	50.0	110	2	15	2P	3900	
SMP6LC24-2P	24.0	26.7	57.0	80	2	15	2P	3900	
SMP6LLC05-2P	5.0	6.0	26.0	150.0	300	5	2P	3900	 **SO-16**
SMP6LLC6.5-2P	6.5	7.2	28.0	150.0	300	5	2P	3900	
SMP6LLC12-2P	12.0	13.3	35.0	140.0	2	5	2P	3900	
SMS05	5.0	6.0	9.8	1.0	20	150	4	350	 **SOT-23-6**
SMS12	12.0	13.3	19.0	1.0	1	80	4	350	
SMS15	15.0	16.7	24.0	1.0	1	50	4	350	
SMS24	24.0	26.7	40.0	1.0	1	40	4	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SMS05C'. PSMSxx/C Series are identical to SMSxx/C Series									
USB0403	3.3	4.0	19.0	20.0	125	5	1	350	 **SOT-143**
USB0405	5.0	6.0	18.3	17.0	20	5	1	350	
USB0408	8.0	8.5	18.5	17.0	10	5	1	350	
USB0412	12.0	13.3	28.6	11.0	1	5	1	350	
USB0415	15.0	16.6	31.8	10.0	1	5	1	350	
USB0424	24.0	26.7	56.0	6.0	1	5	1	350	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'USB0415C'.									
USB50803	3.3	4.5	11.0	5.0	125	3	1	500	 **SO-8**
USB50805	5.0	6.0	13.0	5.0	20	3	1	500	
USB50812	12.0	13.3	26.0	5.0	1	3	1	500	
USB50815	15.0	16.7	32.0	5.0	1	3	1	500	
USB50824	24.0	26.7	57.0	5.0	1	3	1	500	
USB50803C	3.3	4.5	11.0	5.0	125	3	1	500	 **SO-8**
USB50805C	5.0	6.0	13.0	5.0	20	3	1	500	
USB50812C	12.0	13.3	26.0	5.0	1	3	1	500	
USB50815C	15.0	16.7	32.0	5.0	1	3	1	500	
USB50824C	24.0	26.7	57.0	5.0	1	3	1	500	

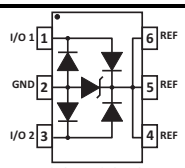
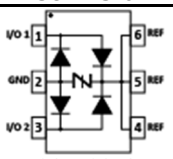
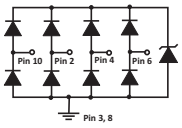
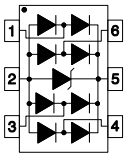
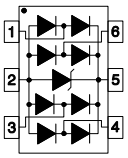
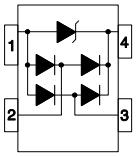
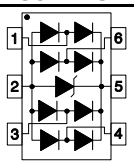
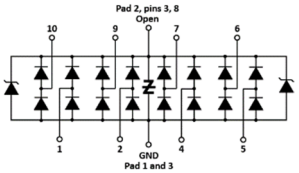
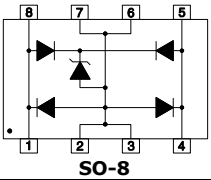
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
VS10P05	5.0	6.0	12.5	10.0	100	880	8	800	 **10 PIN VSIP**
VS10P08	8.0	8.5	16.6	10.0	10	800	8	800	
VS10P12	12.0	13.3	22.7	10.0	1	440	8	800	
VS10P15	15.0	16.7	28.5	10.0	1	-	8	800	
VS10P24	24.0	26.7	45.6	10.0	1	-	8	800	
VS10P05C	5.0	6.0	12.5	10.0	100	500	8	800	 **10 PIN VSIP**
VS10P08C	8.0	8.5	16.6	10.0	10	-	8	800	
VS10P12C	12.0	13.3	22.7	10.0	1	-	8	800	
VS10P15C	15.0	16.7	28.5	10.0	1	-	8	800	
VS10P24C	24.0	26.7	45.6	10.0	1	275	8	800	
VS10P03LC	3.3	4.5	9.0	5.0	125	15	4	300	 **10 PIN VSIP**
VS10P05LC	5.0	6.0	12.5	10.0	100	25	4	800	
VS10P08LC	8.0	8.5	16.6	10.0	10	25	4	800	
VS10P12LC	12.0	13.3	22.7	10.0	1	25	4	800	
VS10P15LC	15.0	16.7	28.5	10.0	1	25	4	800	
VS10P24LC	24.0	26.7	45.6	10.0	1	25	4	800	
VS10P05LCI	5.0	6.0	12.5	10.0	100	25	3	800	 **10 PIN VSIP**
VS10P08LCI	8.0	8.5	16.6	10.0	10	25	3	800	
VS10P12LCI	12.0	13.3	22.7	10.0	1	25	3	800	
VS10P15LCI	15.0	16.7	28.5	10.0	1	25	3	800	
VS10P24LCI	24.0	26.7	45.6	10.0	1	25	3	800	
VSB06P05LCI	5.0	6.0	16.5	36.0	300	50	2	600	 **6 PIN VSIP**
Note: I_{PP} and P_{PP} @ 10/1000µs									
VSB10P05	5.0	6.0	9.1	10.0	300	4000	8	3400	 **10 PIN VSIP**
VSB10P08	8.0	8.5	12.0	10.0	200	-	8	3400	
VSB10P12	12.0	13.3	18.8	10.0	2	-	8	3400	
VSB10P15	15.0	16.7	23.6	10.0	2	-	8	3400	
VSB10P24	24.0	26.7	37.8	10.0	2	1250	8	3400	
VSB10P28	28.0	31.1	44.0	10.0	2	-	8	3400	
VSB10P33	33.0	36.7	51.9	10.0	2	-	8	3400	
VSB10P36	36.0	40.0	56.6	10.0	2	-	8	3400	
VSB10P05C	5.0	6.0	9.1	10.0	300	2000	8	3400	 **10 PIN VSIP**
VSB10P08C	8.0	8.5	12.0	10.0	200	-	8	3400	
VSB10P12C	12.0	13.3	18.8	10.0	2	-	8	3400	
VSB10P15C	15.0	16.7	23.6	10.0	2	-	8	3400	
VSB10P24C	24.0	26.7	37.8	10.0	2	1250	8	3400	
VSB10P28C	28.0	31.1	44.0	10.0	2	-	8	3400	
VSB10P33C	33.0	36.7	51.9	10.0	2	400	8	3400	
VSB10P36C	36.0	40.0	56.6	10.0	2	-	8	3400	
VSB10P05LC	5.0	6.0	9.1	10.0	300	100	4P	3400	 **10 PIN VSIP**
VSB10P08LC	8.0	8.5	12.0	10.0	200	100	4P	3400	
VSB10P12LC	12.0	13.3	18.8	10.0	2	100	4P	3400	
VSB10P15LC	15.0	16.7	23.6	10.0	2	100	4P	3400	
VSB10P24LC	24.0	26.7	37.8	10.0	2	100	4P	3400	
VSB10P28LC	28.0	31.1	44.0	10.0	2	100	4P	3400	
VSB10P33LC	33.0	36.7	51.9	10.0	2	100	4P	3400	
VSB10P36LC	36.0	40.0	56.6	10.0	2	100	4P	3400	

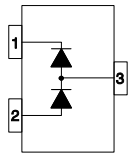
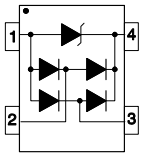
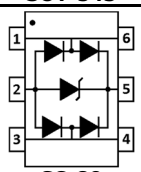
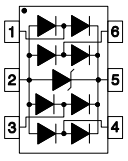
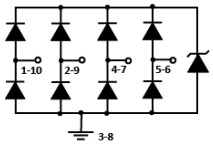
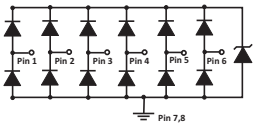
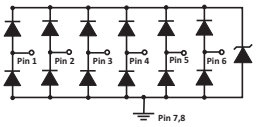
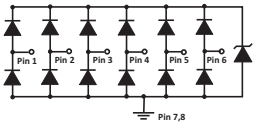
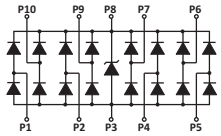
TVS DIODE ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs – A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_J - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
VSB10P05LCI	5.0	6.0	9.1	10.0	300	100	3P	3400	 **10 PIN VSIP**
VSB10P08LCI	8.0	8.5	12.0	10.0	200	100	3P	3400	
VSB10P12LCI	12.0	13.3	18.8	10.0	2	100	3P	3400	
VSB10P15LCI	15.0	16.7	23.6	10.0	2	100	3P	3400	
VSB10P24LCI	24.0	26.7	37.8	10.0	2	100	3P	3400	
VSB10P28LCI	28.0	31.1	44.0	10.0	2	100	3P	3400	
VSB10P33LCI	33.0	36.7	51.9	10.0	2	100	3P	3400	
VSB10P36LCI	36.0	40.0	56.6	10.0	2	100	3P	3400	
VSMF05LC	5.0	6.0	12.0	2.0	1	9	4	25	 **SOT-953**
Note: Also available in SOT-553 package configuration, part number MSMF05LC									
VSMF05LCC	5.0	6.0	12.0	2	1	9	4-5	25	 **SOT-963**
Note: Also available in SOT-563 package configuration, part number MSMF05LC									

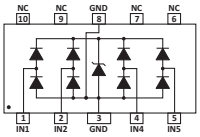
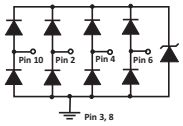
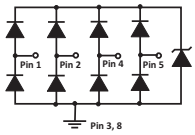
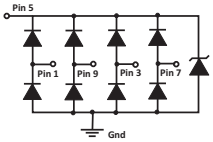
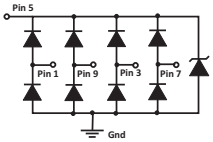
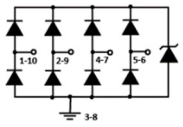
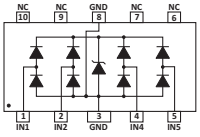
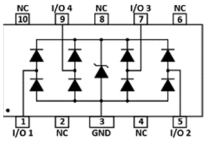
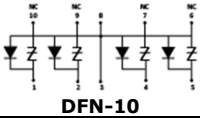
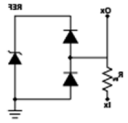
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
DSL03-24	24.0	26.0	55.0	15.0	0.1	5.0	2	500	 **SOT-23-6**
DSL03-24T	19.0	-	-	30.0	0.01	3.0	2	-	 **SOT-23-6**
PAM04DF100524	5.0	6.0	12.0	1.0	0.5	0.7	4	150	 **DFN-10**
PAM05SC700504F	5.0	6.0	25.0	5.0	3	1.9	4	200	 **SC70-6L**
PAM13ST2305	5.0	6.0	15.0	5.0	5	3.5	4	500	 **SOT-23-6**
PAM15ST4305	5.0	6.0	20.0	28.0	5	10	2	500	 **SOT-143**
PAZC099	5.0	6.0	12.0	1.0	0.5	0.6	4	100	 **SOT-23-6**
PGBT2504	2.5	3.0	6.0	5.0	0.1	1.0	2P	500	 **DFN-10**
PLC03-6	6.0	6.8	20.0	100.0	25	8	2	2K	 **SO-8**

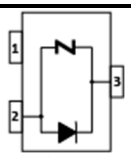
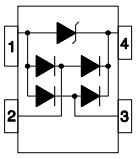
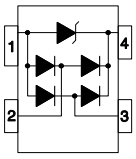
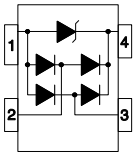
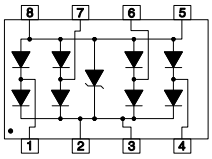
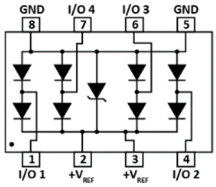
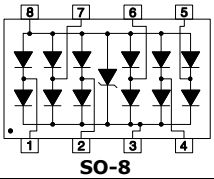
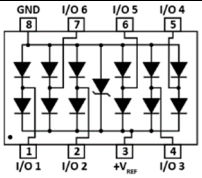
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLC497	1.0	1.3	5.0	5.0	20	2.5	1	200	 **SOT-23**
PLR0502	5.0	6.0	20.0	10.0	1	0.6	2	200	 **SOT-543**
PLR0502-6	5.0	6.0	17.0	3.0	1	0.7	2	50	 **SC-89**
PLR0504F	5.0	6.0	25.0	5.0	3	1.9	4	200	 **SC70-6L**
PLR0504PLCN	5.0	6.0	15.6	16.0	0.5	1.5	4	250	 **DFN-10**
PLR0506	5.0	6.0	18.0	4.0	3	0.8	6	72	 **DFN-8**
PLR0506LC	5.0	6.0	12.0	1.0	0.1	0.1	6	64	 **DFN-8**
PLR0506LP	5.0	6.0	18.0	4.0	3	0.8	6	72	 **DFN-8LP**
PLR0508	5.0	6.0	13.0	5.0	1	1.6	8	200	 **DFN-10**

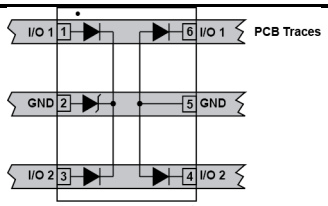
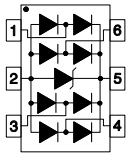
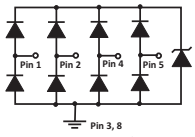
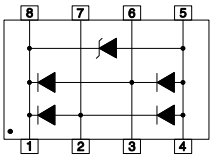
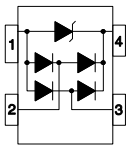
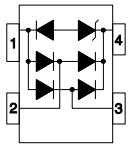
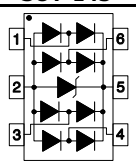
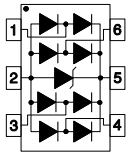
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PLR0514LC	5.0	6.0	12.0	1.0	1	0.6	4	-	 **DFN-10**
PLR0524	5.0	6.0	12.0	1.0	0.5	0.7	4	150	 **DFN-10**
PLR0524P	5.0	6.0	16.5	4.0	0.5	0.8	4	60	 **DFN-10**
PLR2504	2.5	2.0	7.5	10.0	0.5	4	4P	300	 **DFN-10**
PLR3304	3.3	3.3	10.0	10.0	0.1	4.0	4	400	 **DFN-10**
PLR3304PLCN	3.3	4.0	15.0	17.0	0.1	1.5	4	250	 **DFN-10**
PLR3343	3.3	5.6	10.0	1.0	1	0.25	4	150	 **DFN-10**
PLR4045	3.3	4.0	20.0	30.0	0.1	1.6	4	600	 **MSOP-10**
PLRT0504LC	5.0	6.2	6.0	3.0	0.05	0.4	4	20	 **DFN-10**
PRUSB05UBK	5.0	6.0	12.0	1.0	5	2.5	4	500	 **DFN-14**

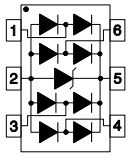
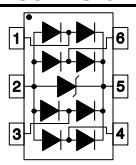
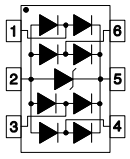
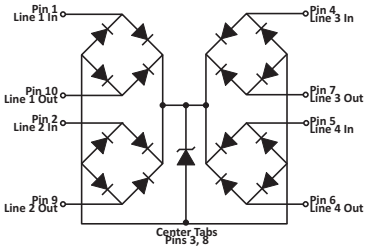
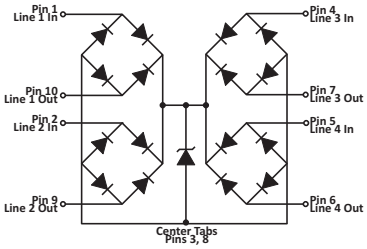
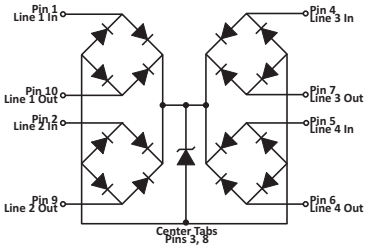
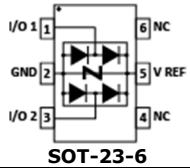
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PSB15-LC	15.0	-	12.0	25.0	0.1	3.0	1	500	 **SOT-23**
PSR05	5.0	6.0	20.0	28.0	5	10	2	500	 **SOT-143**
PSR05LC	5.0	6.0	20.0	28.0	5	2.5	2	500	 **SOT-143**
PSR3.3	3.3	-	15.0	10.0	1	0.6	2	150	 **SOT-143**
PSRDA3.3-4	3.3	4.0	6.5	1.0	125	5	4	500	 **SO-8**
PSRDA05-4	5.0	6.0	9.8	1.0	20	5	4	500	
PSRDA12-4	12.0	13.3	19.0	1.0	1	5	4	500	
PSRDA15-4	15.0	16.7	24.0	1.0	1	5	4	500	
PSRDA2.5-4A	2.5	3.0	5.5	1.0	0.5	5	4	500	 **SO-8**
PSRDA3.3-4A	3.3	4.0	6.5	1.0	0.5	5	4	500	
PSRDA3.3-6	3.3	4.0	6.5	1.0	125	5	6	500	 **SO-8**
PSRDA05-6	5.0	6.0	9.8	1.0	20	5	6	500	
PSRDA2.5-6A	2.5	3.6	5.5	1.0	0.5	5	6	500	 **SO-8**
PSRDA3.3-6A	3.3	4.0	6.5	1.0	0.5	5	6	500	

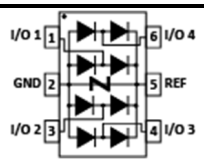
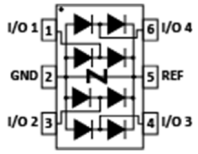
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
PSRV2.8-2LC	2.8	-	8.5	5.0	0.1	1	2	300	 **DFN-6**
PSRV3.3-2LC	3.3	3.5	15.0	10.0	0.1	1	2	300	
PSRV05-2LC	5.0	6.0	20.0	17.0	0.5	1	2	300	
PUSB05UBK	5.0	6.0	15.0	5.0	5	3.5	4	500	 **SOT-23-6**
PUSB403	3.3	4.5	7.4	5.0	0.1	0.6	4	-	 **DFN-10**
PUSB6B	5.25	6.0	13.2	35.0	10	15	2	500	 **SO-8**
SR12	12.0	13.3	30.0	16.0	1	10	2	500	 **SOT-143**
SR2.8	2.8	3.0 @ 2µA	8.5	5.0	1	4.5	2	300	 **SOT-143**
SR3.3	3.3	3.3 @ 2µA	15.0	10.0	1	4.5	2	300	
SRV05-4	5.0	6.0	15.0	5.0	5	3.5	4	500	 **SOT-23-6**
SRV05-4-A	5.0	6.0	21.0	12.0	1	3.0	4	250	 **SOT-23-6**

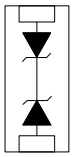
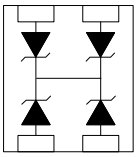
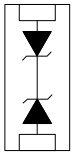
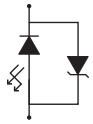
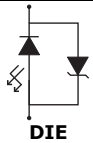
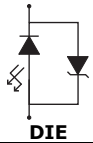
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
SRV05-4LC	5.0	6.0	15.0	5.0	5	0.7	4	500	 **SOT-23-6**
SRV05-4M	5.0	6.0	14.0	5.0	5	4.5	4	400	 **SOT-23-6**
SRV2.8-4	2.8	3.0	8.5	5.0	5	3.5	4	600	 **SOT-23-6**
SRV25-4	2.5	3.0	7.4	10.0	0.5	3.5	4	800	 **DFN-10**
SRV25-4LC	2.5	3.0	7.4	10.0	0.1	1.0	4	400	 **DFN-10**
SRV3.3-4	3.3	3.9	12.5	15.0	0.5	3.5	4	800	 **DFN-10**
TRV24-2LC	24.0	-	20.0	25.0	0.01	3	2	500	 **SOT-23-6**

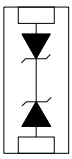
STEERING DIODE HYBRID ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE $C_{J(SD)}$ - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
TRV24-4LC	24	-	18.0	35.0	0.01	3	4	650	 **SOT-23-6**
TRV03-4LC	3.3	6.0	5.0	5.0	1.0	0.7	4	300	 **SOT-23-6**
TRV05-4LC	5.0	6.0	5.5	5.0	1.0	0.7	4	300	

CHIPSCALE TVS ARRAYS

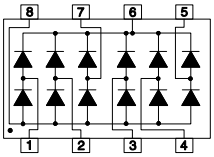
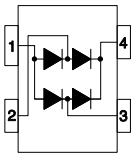
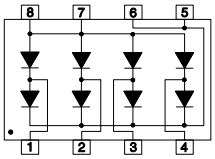
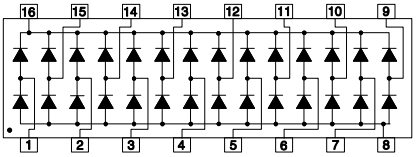
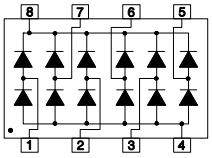
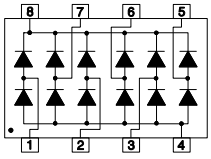
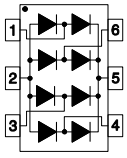
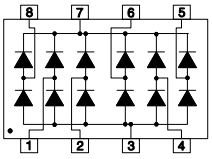
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @ 8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_T - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
P0402FC3.3C	3.3	4.0	12.5	20.0	75	150	1	250	 **0402**
P0402FC05C	5.0	6.0	14.7	17.0	10	100	1	250	
P0402FC08C	8.0	8.5	19.2	13.0	10	75	1	250	
P0402FC12C	12.0	13.3	29.7	9.0	1	50	1	250	
P0402FC15C	15.0	16.7	35.7	7.0	1	40	1	250	
P0402FC24C	24.0	26.7	55.0	5.0	1	30	1	250	
P0402FC36C	36.0	40.0	84.0	3.0	1	25	1	250	
P0404FC3.3C	3.3	4.0	12.5	20.0	75	150	1-3	250	 **0404**
P0404FC05C	5.0	6.0	14.7	17.0	10	100	1-3	250	
P0404FC08C	8.0	8.5	19.2	13.0	10	75	1-3	250	
P0404FC12C	12.0	13.3	29.7	9.0	1	50	1-3	250	
P0404FC15C	15.0	16.7	35.7	7.0	1	40	1-3	250	
P0404FC24C	24.0	26.7	55.0	5.0	1	30	1-3	250	
P0404FC36C	36.0	40.0	70.0	3.0	1	25	1-3	250	
Note: P040xFC Series are patented under U.S. Patent No. Des. D456,367S. Maximum Leakage current < 5µA @ 2.8V for P040xFC3.3C, <500nA @ 3.3V for P040xFC05C and < 200nA @ 5V for P040xFC08C.									
PLED05F189	5.0	6.0	-	-	10	10	1	-	 **DIE**
PLED0811PU	8.0	8.5	-	-	1	70	1	-	 **DIE**
PLED1211PU	13.3	12.0	-	-	1	50	1	-	
PLED3631X23NB	36.0	40.0	-	-	1	60	1	-	 **DIE**
PLED1831X23NB	18.0	20.0	-	-	1	40	1	-	
PLED508	4.7	5.7	-	-	1	15	-	-	 **DIE**
PLED508U	5.0	6.0	-	-	0.1	80	-	-	 **DIE**
PLED511	4.7	5.7	13.0	1.0	1	15	-	-	 **DIE**
PLED511U	5.0	6.0	-	-	0.5	80	-	-	 **DIE**

CHIPSCALE TVS ARRAYS

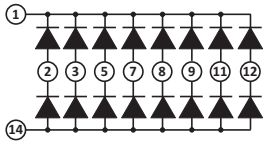
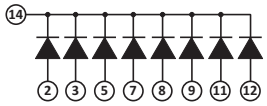
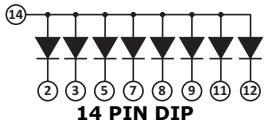
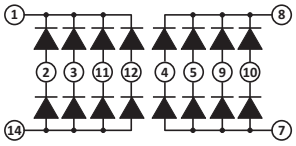
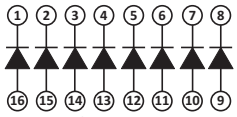
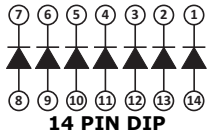
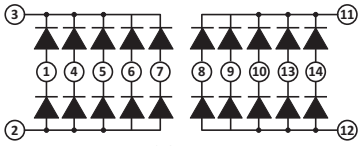
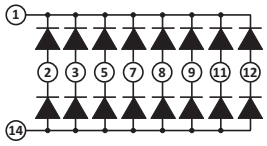
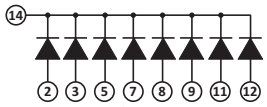
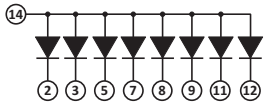
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C @ I_{PP}	CURRENT I_{PP} @ 8/20µs - A	LEAKAGE CURRENT - µA @ V_{WM}	CAPACITANCE C_T - pF	NUMBER OF LINES	POWER @ 8/20µs - WATTS	***PIN CONFIGURATION***
U0402FC3.3C	3.3	4.0	12.5	20.0	75	150	1	250	
U0402FC05C	5.0	6.0	14.7	17.0	10	100	1	250	
U0402FC08C	8.0	8.5	19.2	13.0	10	75	1	250	
U0402FC12C	12.0	13.3	29.7	9.0	1	50	1	250	
U0402FC15C	15.0	16.7	35.7	7.0	1	40	1	250	
U0402FC24C	24.0	26.7	55.0	5.0	1	30	1	250	
U0402FC36C	36.0	40.0	84.0	3.0	1	25	1	250	**U0402**

Note: Maximum Leakage current < 5µA @ 2.8V for U0404FC3.3C, <500nA @ 3.3V for U0402FC05C and < 200nA @ 5V for U0402FC08C.

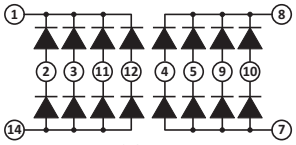
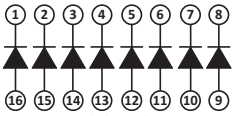
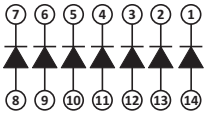
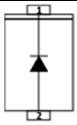
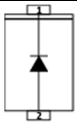
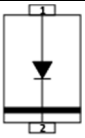
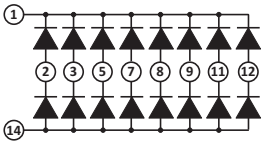
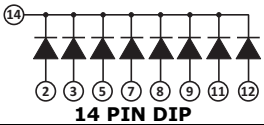
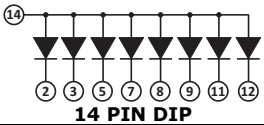
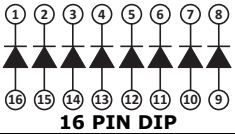
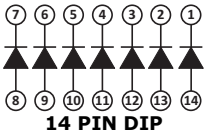
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	***PIN CONFIGURATION***
DALC112S1	20.0	12.0	1.3 @ 50mA	0.02 @ 18V	5	6	 **SO-8**
DSL70	50.0	27.0	1.5 @ 1A	0.005	5	2	 **SOT-143**
ET108	25.0	12.0	9 @ 12A	2	6	4	 **SO-8**
ET720	30.0	12.0	2 @ 1A	0.02 @ 20V	3	14	 **SO-16**
ET721	50.0	12.0	2 @ 1A	0.02	3	6	 **SO-8**
ET723	20.0	12.0	2 @ 1A	0.02	5	6	 **SO-8**
ET724	20.0	12.0	2 @ 1A	0.01	3	4	 **SOT-23-6**
IO6LC	30.0	3.5	0.95 @ 20mA	0.1 @ 5.5V	3	6	 **SO-8**

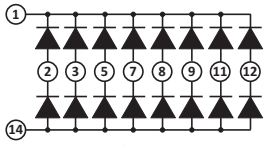
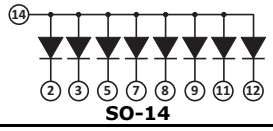
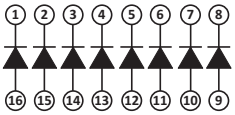
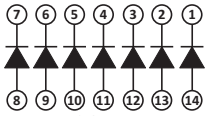
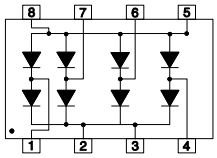
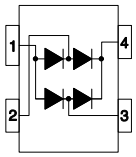
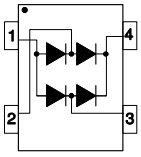
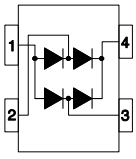
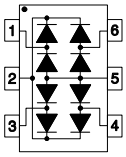
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	***PIN CONFIGURATION***
MAD1103	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
MAD1105	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
MAD1106	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
MAD1107	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
MAD1108	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **16 PIN DIP**
MAD1109	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	7	 **14 PIN DIP**
MMAD130	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
MMAD1103	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
MMAD1105	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
MMAD1106	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**

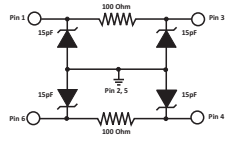
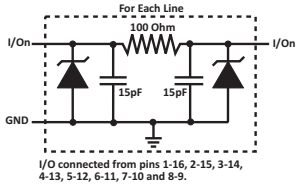
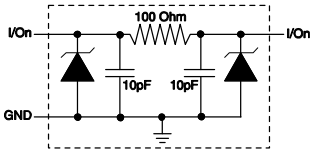
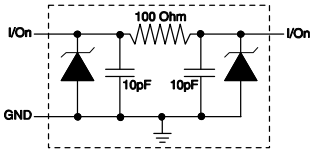
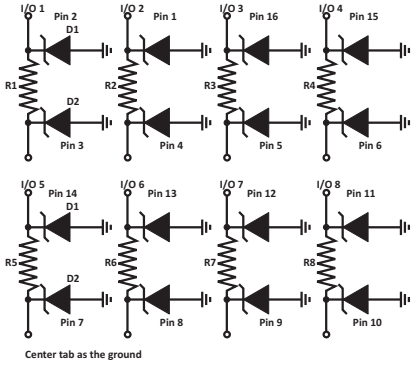
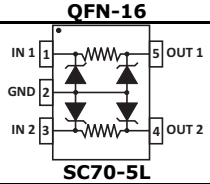
STEERING DIODES

PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	***PIN CONFIGURATION***
MMAD1107	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
MMAD1108	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-16**
MMAD1109	50.0	12.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
PAM38DOAC10Y	1600	50	1.15 @ 1.5A	1	-	1	 **DO-214AC**
PBYG10Y	1600	50	1.15 @ 1.5A	1	-	1	 **DO-214AC**
PES1D	200	30	1.3 @ 1A	-	7	1	 **DO-214AC**
PES1G	400	30	1.3 @ 1A	-	7	1	
PMAD1103	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
PMAD1105	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
PMAD1106	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **14 PIN DIP**
PMAD1108	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **16 PIN DIP**
PMAD1109	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	7	 **14 PIN DIP**

STEERING DIODES

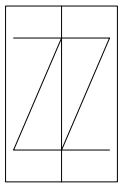
PART NUMBER	REPETITIVE PEAK REV. VOLT. - V_{RRM}	FORWARD PEAK PULSE CURRENT - A	FORWARD VOLTAGE V_F @ I_F	LEAKAGE CURRENT - µA @ V_{RRM}	CAPACITANCE C_J - pF	NUMBER OF LINES	***PIN CONFIGURATION***
PMMAD1103	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
PMMAD1106	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-14**
PMMAD1108	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	8	 **SO-16**
PMMAD1109	50.0	40.0	1.2 @ 100mA	0.1 @ 40V	5	7	 **SO-14**
PSRDA70-4	70.0	24.0	1.1 @ 100mA	5	6	4	 **SO-8**
SR70	70.0	30.0	1.5 @ 1A	1	5	2	 **SOT-143**
USB002	20.0	12.0	1.4 @ 10mA	1 @ 5V	0.6	2	 **SOT-543**
USB004	20.0	12.0	0.95 @ 20mA	1 @ 5V	6.0	2	 **SOT-143**
USB208	20.0	12.0	1.2 @ 50mA	1 @ 5V	5	4	 **SOT-23-6**

EMI FILTER/TVS ARRAYS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$ @ 1 mA	REVERSE LEAKAGE CURRENT - µA @ V_{WM}	RESISTANCE ±20% - OHMS	CUT-OFF FREQUENCY – MHz (50 Ohm System)	CAPACITANCE C_T - pF	NUMBER OF LINES	***PIN CONFIGURATION***
EM02-100	5.0	6.0	0.1	100	110	30	2	 **SOT-563**
EM1631-08DSLP	5.0	6.0	0.1	100	110	30	8	 I/O connected from pins 1-16, 2-15, 3-14, 4-13, 5-12, 6-11, 7-10 and 8-9. **DFN-16SLP**
EM4D-100L	5.0	6.0	0.1 @ 3V	100	150	20	4	 **DFN-8/LP**
EM4DLP-100L	5.0	6.0	0.1 @ 3V	100	150	20	4	
EM8D-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	 **DFN-16/LP/SLP**
EM8DLP-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	
EM8DSPL-100L	5.0	6.0	0.1 @ 3V	100	150	20	8	
EM8Q-100	5.0	6.0	0.1 @ 3V	100	150	20	8	 **QFN-16**
STF701	5.0	6.0	1.0 @ 3.3V	-	-	160	2	 **SC70-5L**

THYRISTOR SURGE SUPPRESSORS

PART NUMBER	REPETITIVE PEAK OFF-STATE VOLTAGE – V_{DRM}	SWITCHING VOLTAGE – V_S	MINIMUM HOLDING CURRENT – mA I_H	SWITCHING CURRENT – mA I_S	MAX. OFF-STATE CURRENT - µA @ V_{DRM}	MAX. ON-STATE VOLTAGE - V_T	ON-STATE CURRENT – A I_T	CAPACITANCE C_T - pF	***PIN CONFIGURATION***
PP0080SA	6	25	50	800	5	4	2.2	50	
PP0300SA	25	40	50	800	5	4	2.2	60	
PP0640SA	58	77	150	800	5	4	2.2	60	
PP0720SA	65	88	150	800	5	4	2.2	60	
PP0800SA	75	98	150	800	5	4	2.2	60	
PP1100SA	90	130	150	800	5	4	2.2	60	
PP1300SA	120	160	150	800	5	4	2.2	40	
PP1500SA	140	180	150	800	5	4	2.2	40	
PP1800SA	160	220	150	800	5	4	2.2	40	
PP2300SA	190	260	150	800	5	4	2.2	30	
PP2600SA	220	300	150	800	5	4	2.2	30	
PP3100SA	275	350	150	800	5	4	2.2	30	
PP3500SA	300	400	150	800	5	4	2.2	30	
PP0080SB	6	25	50	800	5	4	2.2	60	
PP0300SB	25	40	50	800	5	4	2.2	110	
PP0640SB	58	77	150	800	5	4	2.2	60	
PP0720SB	65	88	150	800	5	4	2.2	60	
PP0800SB	75	98	150	800	5	4	2.2	60	
PP1100SB	90	130	150	800	5	4	2.2	60	
PP1300SB	120	160	150	800	5	4	2.2	40	
PP1500SB	140	180	150	800	5	4	2.2	40	
PP1800SB	160	220	150	800	5	4	2.2	40	
PP2300SB	190	260	150	800	5	4	2.2	30	
PP2600SB	220	300	150	800	5	4	2.2	30	
PP3100SB	275	350	150	800	5	4	2.2	30	
PP3500SB	300	400	150	800	5	4	2.2	30	
PP0080SC	6	25	50	800	5	4	2.2	30	
PP0300SC	25	40	50	800	5	4	2.2	60	
PP0640SC	58	77	150	800	5	4	2.2	120	
PP0720SC	65	88	150	800	5	4	2.2	120	
PP0800SC	75	98	150	800	5	4	2.2	120	
PP1100SC	90	130	150	800	5	4	2.2	120	
PP1300SC	120	160	150	800	5	4	2.2	80	
PP1500SC	140	180	150	800	5	4	2.2	80	
PP1800SC	160	220	150	800	5	4	2.2	80	
PP2300SC	190	260	150	800	5	4	2.2	60	
PP2600SC	220	300	150	800	5	4	2.2	60	
PP3100SC	275	350	150	800	5	4	2.2	60	
PP3500SC	300	400	150	800	5	4	2.2	60	



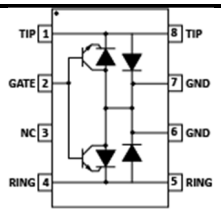
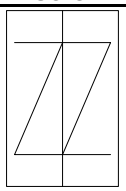
DO-214AA

SURGE RATINGS

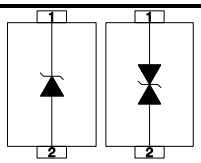
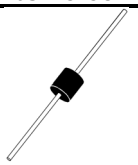
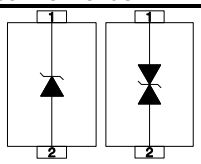
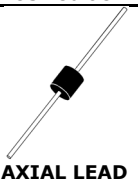
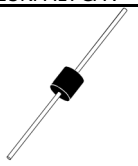
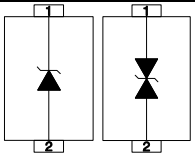
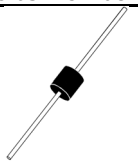
SERIES	I_{PP} 2 X 10µs AMPS	I_{PP} 8 X 20µs AMPS	I_{PP} 10 X 160µs AMPS	I_{PP} 10 X 560µs AMPS	I_{PP} 10 X 1000µs AMPS	I_{TSM} 60 Hz AMPS	di/dt AMPS/µs (Note 1)	dv/dt V/µs (Note 1)
SA	150	150	100	50	50	20	500	2000
SB	300	300	150	100	80	32	500	2000
SC	500	400	200	200	100	60	500	2000

Note 1: Critical Rate of Rise for On-State Current (di/dt) and Off-State Voltage (dv/dt).

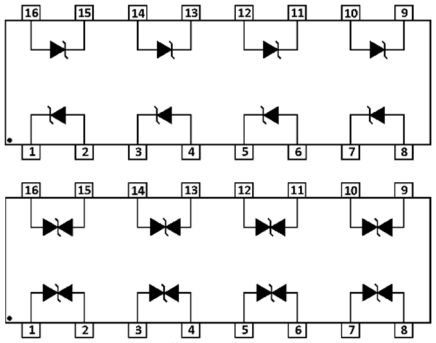
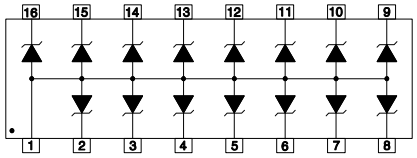
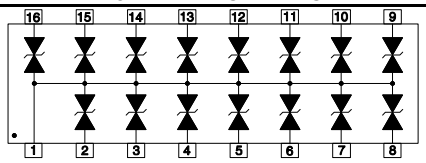
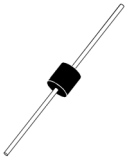
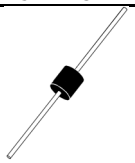
THYRISTOR SURGE SUPPRESSORS

PART NUMBER	REPETITIVE PEAK OFF-STATE VOLTAGE – V_{DRM}	SWITCHING VOLTAGE – V_S	MINIMUM HOLDING CURRENT – mA I_H	SWITCHING CURRENT – mA I_S	MAX. OFF-STATE CURRENT - µA @ V_{DRM}	MAX. ON-STATE VOLTAGE - V_T	ON-STATE CURRENT – A I_T	CAPACITANCE C_T - pF	***PIN CONFIGURATION***
PSLIC1	170	-	150	-	5	-	30	70	 **SO-8**
PSMP30-240	240	-	150	-	-	-	3A @ 15 min	10	 **DO-214AC**

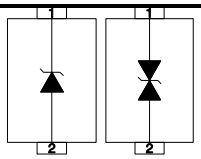
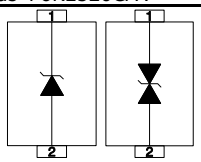
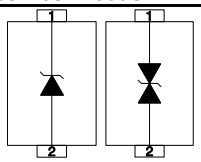
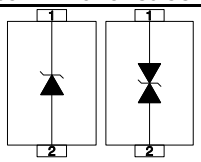
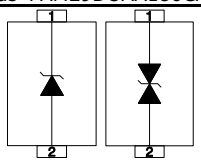
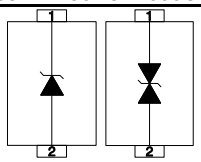
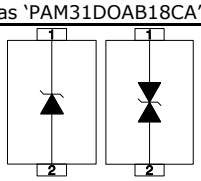
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
1.0SMBJ5.0A	5.0	6.40	9.2	108.7	200	1000	
Not all voltages show for the 1.0SMBJ Series. Please consult the factory for other voltages.							
1.0SMBJ200A	200.0	224.0	324.0	3.1	1	1000	**DO-214AA**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '1.0SMBJ15CA'.							
1.5KE6.8	5.8	6.46	10.5	143	1000	1500	
Not all voltages show for the 1.5KE Series. Please consult the factory for other voltages.							
1.5KE600A	513.0	570.0	828.0	1.8	1	1500	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '1.5KE520CA'.							
1.5SMC6.8A	5.8	6.45	10.5	144.8	1000	1500	
Not all voltages show for the 1.5SMC Series. Please consult the factory for other voltages.							
1.5SMC550A	495.0	522.5	760.0	2.0	1	1500	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '1.5SMC6.8CA'.							
15KPA17A	17.0	18.9	29.3	512.0	5000	15000	
Not all voltages show for the 15KPA Series. Please consult the factory for other voltages.							
15KPA280A	280.0	311.0	452.0	33.0	2	15000	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '15KPA17CA'.							
30KPA28A	28.0	31.3	50.0	606.0	5000	30000	
Not all voltages show for the 30KPA Series. Please consult the factory for other voltages.							
30KPA400A	400.0	440.0	704.0	42.6	2	30000	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '30KPA400CA'.							
5.0SMDJ6.0CA	6.0	6.67	10.3	485	2000	5000	
Not all voltages show for the 5.0SMDJ Series. Please consult the factory for other voltages.							
5.0SMDJ440A	440.0	492.0	713.0	7.0	5	5000	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '5.0SMDJ440CA'.							
5KP5.0A	5.0	6.4	9.2	543	5000	5000	
Not all voltages show for the 5KP Series. Please consult the factory for other voltages.							
5KP440A	440.0	492.0	713.0	7.0	2	5000	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '5KP180CA'.							

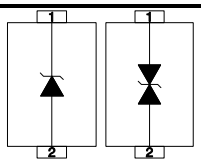
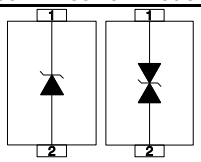
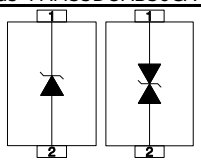
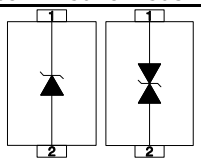
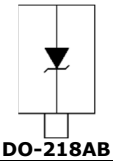
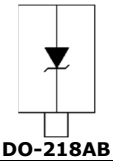
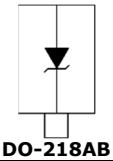
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
DD3K06CA	6.0	6.67	10.3	291.3	1000	3000	 **16-PIN DSIP**
DD3K09CA	9.0	10.0	15.4	194.8	10	3000	
DD3K12CA	12.0	13.3	19.9	150.6	5	3000	
DD3K18CA	18.0	20.0	29.2	102.8	2	3000	
DD3K30A	30.0	33.3	48.4	62.0	2	3000	
DD3K40A	40.0	44.4	64.5	46.4	2	3000	
DLZ-5	5.0	6.0	12.5	10.0	200	1300 8/20µs	 **16 PIN DIP CERAMIC**
DLZ-5A	5.0	6.0	10.6	10.0	200		
DLZ-12	12.0	13.3	26.0	10.0	2		
DLZ-12A	12.0	13.3	23.5	10.0	2		
DLZ-17	17.0	19.2	37.4	10.0	2		
DLZ-17A	17.0	19.2	33.9	10.0	2		
DLZ-24	24.0	26.7	52.1	10.0	2		
DLZ-24A	24.0	26.7	47.2	10.0	2		
DLZ-30	30.0	33.3	65.0	10.0	2		
DLZ-30A	30.0	33.3	58.8	10.0	2		
DLZ-8C	8.0	8.5	16.6	10.0	10	1300 8/20µs	 **16 PIN DIP CERAMIC**
DLZ-13C	13.0	14.4	28.1	10.0	4		
DLZ-13CA	13.0	14.4	25.4	10.0	4		
DLZ-19C	19.0	21.6	42.1	10.0	4		
DLZ-19CA	19.0	21.6	38.1	10.0	4		
DLZ-30C	30.0	33.3	65.0	10.0	4		
DLZ-30CA	30.0	33.3	58.8	10.0	4		
K1-076	54.0	83.0	135.0	-	20	-	 **AXIAL LEAD**
Not all voltages show for the K Series. Please consult the factory for other voltages.							
KD-076	54.0	85.0	145.0	-	20	-	
Note: K1, KA, KB, Kc and KD Series is available. Please consult factory for more information.							
P15KP17	17.0	18.9	32.3	464.0	5000	15000	 **AXIAL LEAD**
Not all voltages show for the P15KP Series. Please consult the factory for other voltages.							
P15KP280A	280.0	311.0	452.0	33.0	10	15000	
P30KP30A	30.0	33.3	55.2	543.0	5000	30000	
Not all voltages show for the P30KP Series. Please consult the factory for other voltages.							
P30KP260A	260.0	289.0	416.0	72.0	10	30000	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'P15KP17CA'.							
P4KE22A	18.8	20.9	30.6	13.1	1	400	 **AXIAL LEAD**
P4KE36A	30.8	34.2	49.9	8.2	1	400	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'P4KE522CA'.							

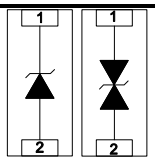
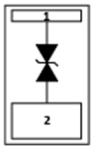
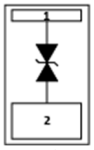
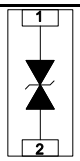
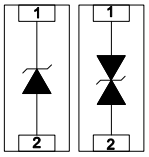
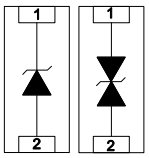
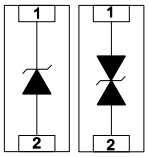
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
P4SMA13A	11.1	12.4	18.2	22.5	1	400	
Not all voltages show for the P4SMA Series. Please consult the factory for other voltages.							
P4SMA550A	470.3	522.5	759.0	0.53	1	400	**DO-214AC**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'P4SMA130CA'.							
P6KE6.8	5.5	6.46	10.5	57.1	1000	600	
Not all voltages show for the P6KE Series. Please consult the factory for other voltages.							
P6KE600A	513.0	570.0	828.0	0.7	1	600	**AXIAL LEAD**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'P6KE520CA'.							
P6SMB6.8A	5.8	6.46	10.5	57.14	1000	600	
Not all voltages show for the P6SMB Series. Please consult the factory for other voltages.							
P6SMB600A	513	570	828.0	0.72	1	600	**DO-214AA**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'P6SMB600CA'.							
PAM28DOAC6.5A	6.5	7.22	11.2	35.7	500	400	
Not all voltages show for the PAM28 Series. Please consult the factory for other voltages.							
PAM28DOAC120A	120.0	133.0	193.0	2.1	1	400	**DO-214AC**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM28DOAC6.5CA'.							
PAM29DOAA5.0A	5.0	6.40	9.2	65.2	800	600	
Not all voltages show for the PAM29 Series. Please consult the factory for other voltages.							
PAM29DOAA180A	180.0	200.0	291.6	2.1	1	600	**DO-214AA**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM29DOAA180CA'.							
PAM30DOAA6.8A	5.8	6.46	10.5	57.14	1000	600	
Not all voltages show for the PAM30 Series. Please consult the factory for other voltages.							
PAM30DOAA600A	513	570	828.0	0.72	1	600	**DO-214AA**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM30DOAA600CA'.							
PAM31DOAB13A	13.0	14.4	21.5	69.8	1	1500	
Not all voltages show for the PAM31 Series. Please consult the factory for other voltages.							
PAM31DOAB170A	170.0	189.0	275.0	5.5	1	1500	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM31DOAB18CA'.							
PAM32DOAB12A	12.0	13.3	19.9	151	2	3000	
Not all voltages show for the PAM32 Series. Please consult the factory for other voltages.							
PAM32DOAB36A	36.0	40.0	58.1	51.6	2	3000	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM32DOAB36CA'.							

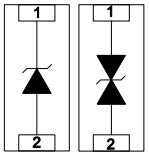
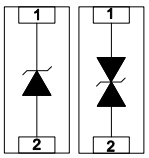
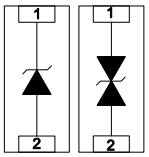
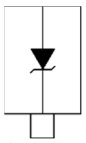
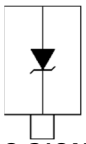
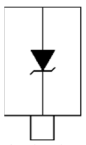
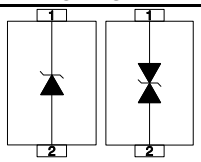
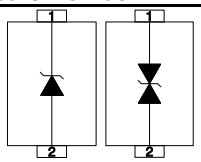
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
PAM33DOAB14A	14.0	15.6	23.2	218	200	5000	
Not all voltages show for the PAM33 Series. Please consult the factory for other voltages.							
PAM33DOAB180A	180.0	200.0	291.6	17.3	5	5000	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM33DOAB180CA'.							
PAM35DOAB6.8A	5.8	6.45	10.5	144.8	1000	1500	
Not all voltages show for the PAM35 Series. Please consult the factory for other voltages.							
PAM35DOAB300A	256.0	285.0	414.0	3.7	1	1500	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM35DOAB30CA'.							
PAM36DOAA18A	18.0	20.0	29.2	34.3	1	1000	
Not all voltages show for the PAM36 Series. Please consult the factory for other voltages.							
PAM36DOAA36A	36.0	40.0	58.1	17.3	1	600	**DO-214AA**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM36DOAA36CA'.							
PAM4SMA13A	11.1	12.4	18.2	22.5	1	400	
Not all voltages show for the PAM4SMA Series. Please consult the factory for other voltages.							
PAM4SMA550A	470.3	522.5	759.0	0.53	1	400	**DO-214AC**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PAM4SMA550CA'.							
PAM5S14A	14.0	15.6	23.2	155	10	3600	
Not all voltages show for the PAM5S Series. Please consult the factory for other voltages.							
PAM5S36A	36.0	40.0	58.1	62.0	10	3600	**DO-218AB**
PAM6S14A	14.0	15.6	23.2	198	10	4600	
Not all voltages show for the PAM6S Series. Please consult the factory for other voltages.							
PAM6S36A	36.0	40.0	58.1	79	10	4600	**DO-218AB**
PAM8S14A	14.0	15.6	23.2	284	10	6600	
Not all voltages show for the PAM8S Series. Please consult the factory for other voltages.							
PAM8S48A	48.0	53.3	85.2	77.4	10	6600	**DO-218AB**
PDTVS58CA	58.0	64.0	110	3kA	10	-	
PDTVS76CA	76.0	85.0	140	3kA	10	-	**2-LEAD ENCAPSULATED COMPONENT**

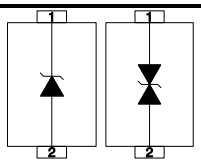
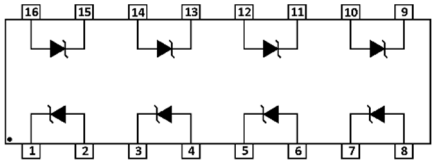
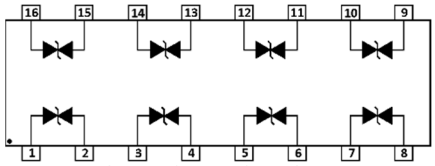
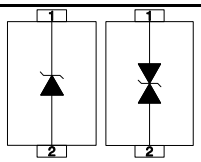
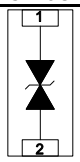
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
PHS503	3.3	4.0	6.5	1.0	125	400-500 8/20µs	
Not all voltages show for the PHS5xx Series. Please consult the factory for other voltages.							
PHS536	36.0	40.0	60.0	1.0	1.	400-500 8/20µs	**DFN-2**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'PHS503C'.							
PHYTVS125V3	125	220	130	250	10	250 8/20µs	
PHYTVS250V3	250	420	230	250	10		
PHYTVS277V3	277	440	250	250	10		**DFN-2KW**
PHYTVS125V4	125	220	130	500	10	500 8/20µs	
PHYTVS250V3	250	420	230	500	10		
PHYTVS277V3	277	440	250	500	10		**DFN-2KW**
SKC-058CS	58.0	64.0	110.0	10000	10	1600kW 8/20µs	
SKC-066CS	66.0	72.0	120	10000	10		
SKC-076CS	76.0	85.0	140	10000	10		
SKC-086CS	86.0	95.0	157	10000	10		**SMTO-218T**
SM10KW10A	10.0	11.1	20.0	3000	15	8500	
SM10KW12A	12.0	13.4	24.0	2500	8	8500	
SM10KW15A	15.0	16.5	30.0	2000	8	8500	
SM10KW22A	22.0	24.4	40.2	1492	8	8500	
SM10KW24A	24.0	26.8	48.3	1242	8	8500	
SM10KW28A	28.0	31.2	56.1	1069	8	8500	
SM10KW30A	30.0	33.5	60.3	995	8	8500	
SM10KW33A	33.0	36.8	66.0	909	8	8500	
SM10KW36A	36.0	40.0	72.3	829	8	8500	**DFN-2-KW**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM10KW36CA'.							
SM10KWE10A	10.0	11.1	17.0	588	15	10000	
SM10KWE12A	12.0	13.4	19.9	502	8	10000	
SM10KWE22A	22.0	24.4	36.5	282	8	10000	
SM10KWE24A	24.0	26.8	38.9	258	8	10000	
SM10KWE28A	28.0	31.2	45.4	220	8	10000	
SM10KWE30A	30.0	33.5	48.4	206	8	10000	
SM10KWE33A	33.0	36.8	53.3	187	8	10000	
SM10KWE36A	36.0	40.0	58.1	172	8	10000	
SM10KWE48A	48.0	53.0	77.4	129	8	10000	**DFN-2-KW**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM10KWE36CA'.							
SM15KWE15A	15.0	16.9	24.4	618	10	15000	
Not all voltages show for the SM15KWE Series. Please consult the factory for other voltages.							
SM15KWE120A	133.0	147.0	193.0	78.0	5	15000	**DFN-2-KW**
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM15KWE36CA'.							

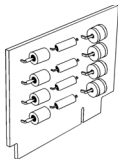
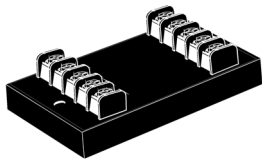
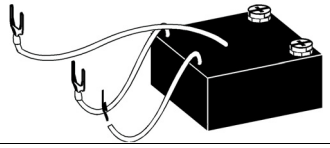
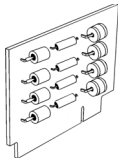
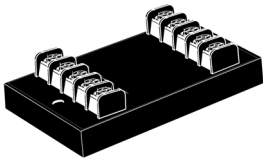
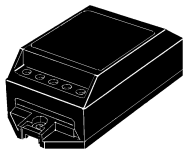
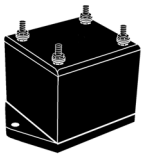
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	*PACKAGE*
SM30KWE16A	16.0	17.8	26.0	1150	100	30000	 **DFN-2-KW**
Not all voltages show for the SM30KWE Series. Please consult the factory for other voltages.							
SM30KWE120A	133.0	147.0	193.0	156.0	5	30000	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM30KWE36CA'.							
SM3KW08A	8.0	8.8	13.6	220.0	50	3000	 **DFN-2-KW**
Not all voltages show for the SM3KW Series. Please consult the factory for other voltages.							
SM3KW33A	33	36.7	56.3	53.3	2	3000	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM3KW08CA'.							
SM3KW10A	10.0	11.1	17.0	296.0	15	5000	 **DFN-2-KW**
Not all voltages show for the SM5KW Series. Please consult the factory for other voltages.							
SM5KW36A	36.0	40.2	58.1	86.0	8	5000	
Note: Part numbers shown are unidirectional. Add a "C" suffix to specify bidirectional devices, such as 'SM5KW10CA'.							
SM5S14A	14.0	15.6	23.2	155	10	3600	 **DO-218AB**
Not all voltages show for the SM5S Series. Please consult the factory for other voltages.							
SM5S36A	36.0	40.0	58.1	62.0	10	3600	
SM6S14A	14.0	15.6	23.2	198	10	4600	 **DO-218AB**
Not all voltages show for the SM6S Series. Please consult the factory for other voltages.							
SM6S36A	36.0	40.0	58.1	79	10	4600	
SM8S14A	14.0	15.6	23.2	284	10	6600	 **DO-218AB**
Not all voltages show for the SM8S Series. Please consult the factory for other voltages.							
SM8S48A	48.0	53.3	85.2	77.4	10	6600	
SMAJ5.0A	5.0	6.4	9.2	43.5	800	400	 **DO-214AC**
Not all voltages show for the SMAJ Series. Please consult the factory for other voltages.							
SMAJ440A	440.0	492.0	713.0	0.6	1	400	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'SMAJ440CA'.							
SMBJ5.0A	5.0	6.4	9.2	65.2	800	600	 **DO-214AA**
Not all voltages show for the SMBJ Series. Please consult the factory for other voltages.							
SMBJ480A	480.0	537.0	779.0	0.77	1	600	
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'SMBJ480CA'.							

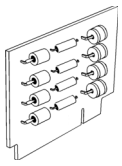
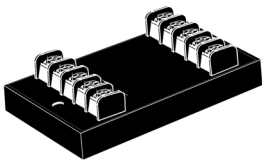
HIGH POWERED COMPONENTS

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - W	***PACKAGE***
SMCJ5.0A	5.0	6.4	9.2	163.0	800	1500	
Not all voltages show for the SMCJ Series. Please consult the factory for other voltages.							
SMCJ440A	440.0	492.0	713.3	2.1	1	1500	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'SMCJ440CA'.							
SMDD3K06CA	6.0	6.67	10.3	291.3	1000	3000	
SMDD3K09CA	9.0	10.0	15.4	194.8	10	3000	
SMDD3K12CA	12.0	13.3	19.9	150.6	5	3000	
SMDD3K18CA	18.0	20.0	29.2	102.8	2	3000	
SMDD3K30A	30.0	33.3	48.4	62.0	2	3000	
SMDD3K40A	40.0	44.4	64.5	46.4	2	3000	**16-PIN SURFACE MOUNT**
SMDJ5.0A	5.0	6.4	9.2	326	5000	3000	
Not all voltages show for the SMDJ Series. Please consult the factory for other voltages.							
SMDJ440A	440.0	492.0	713.3	4.2	2	3000	**DO-214AB**
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as 'SMDJ440CA'.							
SMEJ48CA	48.0	53.3	92	3kA	-	-	
SMEJ58CA	58.0	64.0	110	3kA	-		
SMEJ66CA	66.0	72.0	120	3kA	-		
SMEJ76CA	76.0	85.0	140	3kA	-		**2L-ENCAPSULATED**

HIGH POWERED MODULES

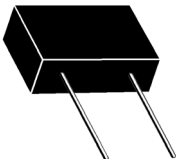
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	CLAMPING VOLTAGE - V_C @ 8/20µS	MAX. CURRENT @8/20µs – kA/Line	LEAKAGE CURRENT - µA @ V_{WM}	SERIES RESISTANCE OHMS	CAPACITANCE pF	***PACKAGE***
232B	±25	40.0 @ 500A	10	5	12	2000	 
232E	±25	40.0 @ 500A	10	5	12	2000	
Note: Lines of protection: 2 pair.							
420E212	±12.0	22.0 @ 2kA	10	5	12	6000	
420E225	±25.0	44.0 @ 2kA	10	5	12	3000	
420E228	±28.0	46.0 @ 2kA	10	5	12	2800	
420E236	±36.0	60.0 @ 2kA	10	5	12	1500	
420E250	±50.0	80.0 @ 2kA	10	5	12	1200	
420E260	±60.0	95.0 @ 2kA	10	5	12	1000	
Note: Lines of protection: 1 pair.							
420LB28	±28.0	40.0 @ 2kA	10	5	12	2800	 
420LB35	±35.0	60.0 @ 2kA	10	5	12	1500	
420LB60	±60.0	85.0 @ 2kA	10	5	12	1000	
420LE28	±28.0	40.0 @ 2kA	10	5	12	2800	
420LE35	±35.0	60.0 @ 2kA	10	5	12	1500	
420LE60	±60.0	85.0 @ 2kA	10	5	12	1000	
Note: Lines of protection: 2 pair.							
422B	±12.0	24.0 @ 500A	10	5	12	5000	
422E	±12.0	24.0 @ 500A	10	5	12	5000	
Note: Lines of protection: 2 pair.							
422ELC	±12.0	30.0 @ 500A	10	1	12	25	
485ELC	±7.0	20.0 @ 500A	10	10	12	25	
Note: Lines of protection: 2 pair.							
587B051	130.0 AC	350.0	3	1mA	-	-	 **LP & LPE** 
587B151	130.0 AC	350.0	3	1mA	-	-	
587B201	130.0 AC	350.0	3	1mA	-	-	
587B301	130.0 AC	350.0	3	1mA	-	-	
Note: Maximum Line Current: 5A, 15A, 20A, 30. Line to Neutral.							
587B062	240.0 AC	800.0	3	1mA	-	-	
587B162	240.0 AC	800.0	3	1mA	-	-	
587B302	240.0 AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 16A, 30A. Line to Neutral.							
587B051LP	120.0 AC	330.0	3	1mA	-	-	
587B101LP	120.0 AC	330.0	3	1mA	-	-	
587B151LP	120.0 AC	330.0	3	1mA	-	-	
587B301LP	120.0 AC	330.0	3	1mA	-	-	
Note: Maximum Line Current: 5A, 10A, 15A, 30A. Line to Neutral.							
587B062LP	240.0 AC	800.0	3	1mA	-	-	
587B102LP	240.0 AC	800.0	3	1mA	-	-	
587B162LP	240.0 AC	800.0	3	1mA	-	-	
587B302LP	240.0 AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 10A, 16A, 30A. Line to Neutral.							
587B062LPE	240.0 AC	800.0	3	1mA	-	-	
587B102LPE	240.0 AC	800.0	3	1mA	-	-	
587B162LPE	240.0 AC	800.0	3	1mA	-	-	
587B302LPE	240.0AC	800.0	3	1mA	-	-	
Note: Maximum Line Current: 6A, 10A, 16A, 30A. Line to Neutral.							
PHCR660-1.0	440.0	1000	1	5	5	-	
PHCR880-1.0	660.0	1300	1	5	5	-	
PHCR660-2.5	440.0	1000	2.5	5	5	-	
PHCR880-2.5	660.0	1250	2.5	5	5	-	
PHCR660-5	440.0	1000	5	5	5	-	
PHCR880-5	660.0	1250	5	5	5	-	
PHCR660-10	440.0	1000	10	5	5	-	
PHCR880-10	660.0	1250	10	5	5	-	

HIGH POWERED MODULES

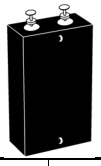
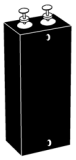
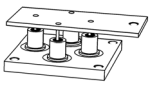
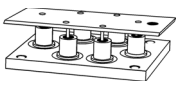
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	CLAMPING VOLTAGE - V_C @ 8/20µS	MAX. CURRENT @8/20µs – kA/Line	LEAKAGE CURRENT - µA @ V_{WM}	SERIES RESISTANCE OHMS	CAPACITANCE pF	***PACKAGE***
TEL50B	±50.0	95.0 @ 500A	10	5	12	800	 
TEL50E	±50.0	95.0 @ 500A	10	5	12	800	
TEL185B	±185.0	330.0 @ 500A	10	5	12	800	
TEL185E	±185.0	330.0 @ 500A	10	5	12	800	

Note: Lines of protection: 2 pair.

HIGH POWERED MODULES

PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - kW	***PACKAGE***
100KS200CNH	180.0	200.0	335.0	300	0.5	100kW	
15KP17	17.0	18.9	32.3	464.0	5000	15	 **THRU-HOLE (KP Series)**
Not all voltages show for the 15KP Series. Please consult the factory for other voltages.							
15KP280A	280.0	311.0	452.0	33.0	10	15	

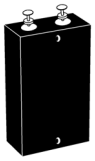
Note: Part numbers shown are unidirectional devices. Add a "CA" suffix to specify bidirectional devices, such as '15KP280CA'.

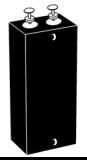
60KS200C	180.0	200.0	335.0	180.0	10	60kW @ 1.2/50µs	
90KS200C	180.0 180.0	200.0 200.0	280.0 335.0	180.0 270.0	0.5 0.5	90kW @ 1.2/50µs	
704-15K36	31.5	36.0	53.0	300.0	100	15	 
704-15K36P	31.5	36.0	53.0	300.0	100	15	
704-15K36T	31.5	36.0	53.0	300.0	500	15	
GPZ532	28.0	32.0	40.0	100	50	10kW @ 1ms	 
GPZ1275	28.0	32.0	55.0	500	60	30kW @ 1ms	
GPZ1275B60K	28.0	32.0	55.0	1000	60	60kw @ 1ms	

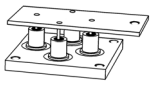
Note: I_{PP} @ 1 ms for GPZ Series.

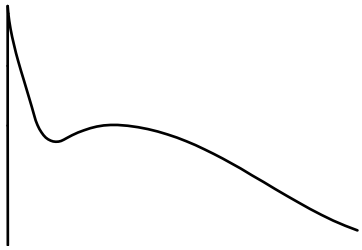
HIGH POWERED MODULES

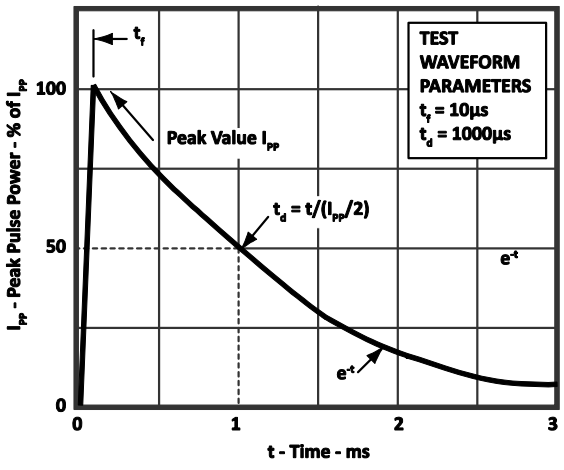
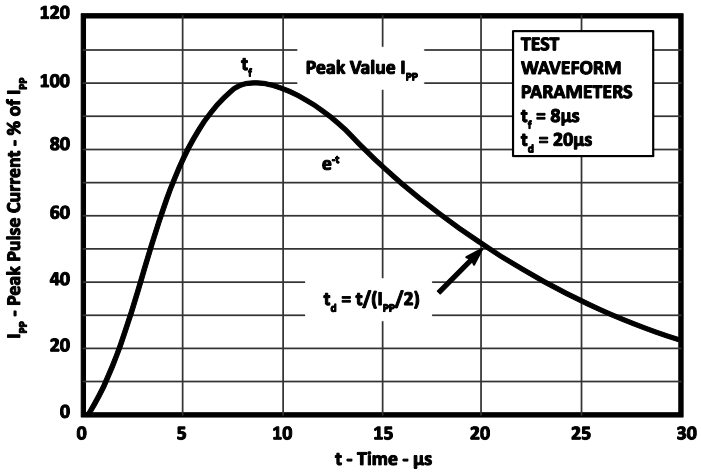
PART NUMBER	STAND-OFF VOLTAGE - V_{WM}	MIN. BREAKDOWN VOLTAGE – $V_{(BR)}$	CLAMPING VOLTAGE - V_C	CURRENT I_{PP} @10/1000µs - A	LEAKAGE CURRENT - µA @ V_{WM}	POWER @ 10/1000µs - kW	***PACKAGE***
PHP8.4	12.0	14.0	22.0	341.0	250	7.5	
PHP24	34.0	40.0	67.0	112.0	250	7.5	
PHP30	42.5	50.0	84.0	90.0	250	7.5	
PHP60	85.0	100.0	167.0	90.0	250	15	
PHP120*	170.0	200.0	319.0	47.0	250	15	
PHP208	295.0	347.0	536.0	28.0	250	15	
PHP250*	354.0	418.0	652.0	23.0	250	15	
PHP275	390.0	460.0	710.0	21.0	250	15	
PHP440	623.0	735.0	1138.0	13.2	250	15	
PHP500*	708.0	835.0	1292.0	11.6	250	15	
PIP8.4	12.0	14.0	22.0	341.0	250	7.5	
PIP24	34.0	40.0	67.0	112.0	250	7.5	
PIP30	42.5	50.0	84.0	90.0	250	7.5	
PIP60	85.0	100.0	167.0	90.0	250	15	
PIP120*	170.0	200.0	319.0	47.0	250	15	
PIP208	295.0	347.0	536.0	28.0	250	15	
PIP250*	354.0	418.0	652.0	23.0	250	15	
PIP440	623.0	735.0	1138.0	13.2	250	15	
PIP500*	708.0	835.0	1292.0	11.6	250	15	
Note: PHP Series is typically used in Aerospace applications. PIP Series is typically used in Industrial applications. *Indicates marine applications.							
PNH1275	28	32	52	865	60	45kW 1ms	
PNH1275B	28	32	52	865	60	45kW 1ms	
PPZ516	14	16	20	200	40	20kW 1ms	
PPZ516B	14	16	20	200	40	20kW 1ms	





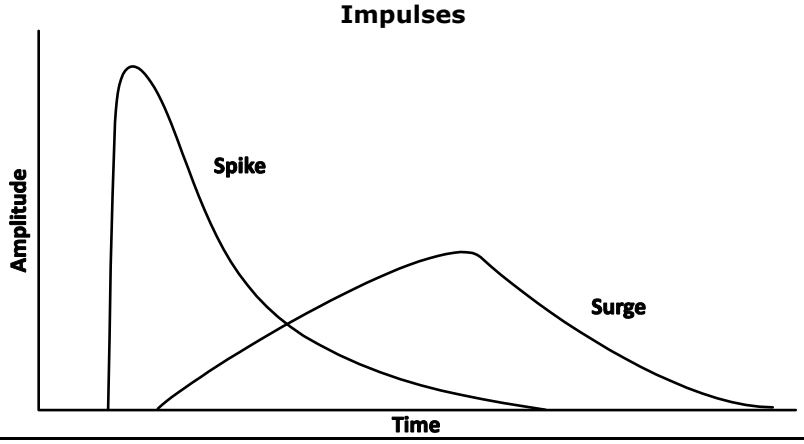


International Standard	Environmental Threat	Transient Characteristics	Test Waveform
61000-4-2	ESD	Super Fast < 1ns Low Energy	
61000-4-4	EFT	Fast 5 ns Medium Energy (per burst)	
61000-4-5	Surge	Surge 10-700 µs High Energy	

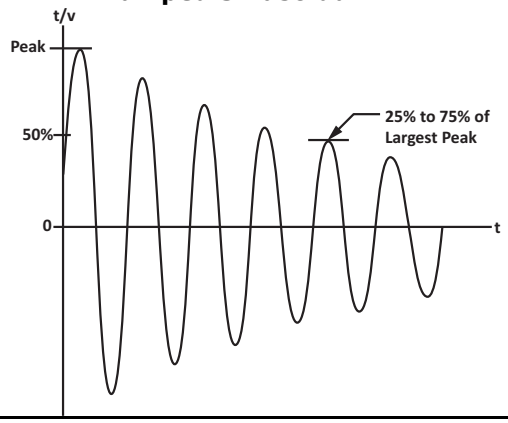
10/1000µs Waveform	8/20µs Waveform
	

IMPULSE WAVE FORMS – UNIVERSAL WAVESHAPES

Impulses

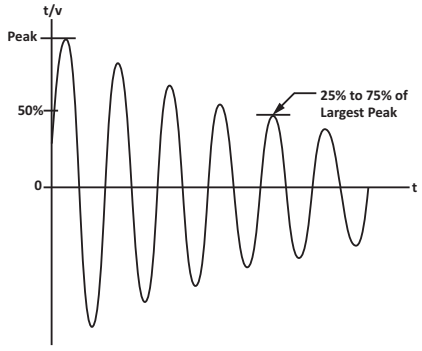


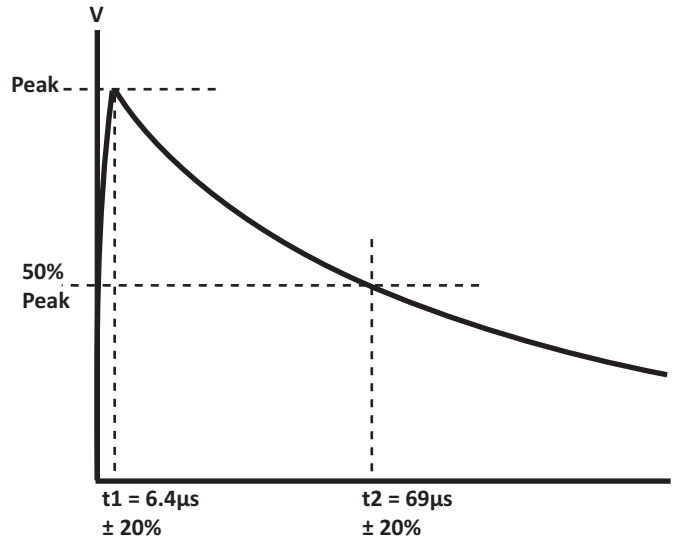
Damped Sinusoidal

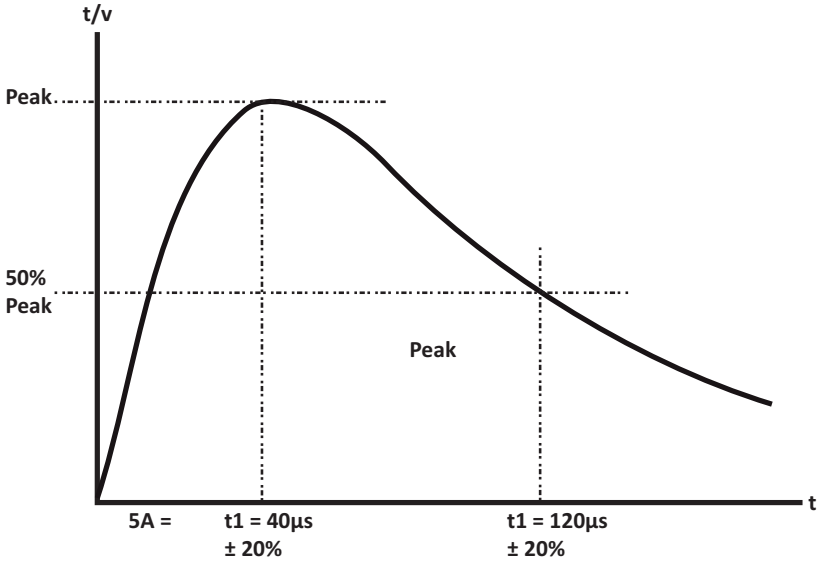


Peak Pulse Current (Amplitude)	$I_t = I_{PP}$ = 10, 100, 1000 Amp
Pulse Duration (Time) – Spike	t_d = 30ns (ESD)
Pulse Duration (Time) – Transient	t_d = 20 or 1000µs (Lightning)
Pulse Duration (Time) – Surge	t_d = 100ms (Switching)

WAVEFORM 3a PIN INJECTION – 1MHz (±20%)(800kHz – 1200kHz Damped Sine Wave)

Level	V. Test (pk) in V	I Limit (pk) in A	DO-160G Waveform
1	107	4	
2	268	10	
3	655	24	
4	1620	60	
5	3450	128	

WAVEFORM 4 PIN INJECTION – 6.4µs/69.0µs (±20%)(5.12µs - 7.68µ)(55.2µs - 82.8µs)			
Level	**Open Circuit Voltage in V**	**Short Circuit Current in A**	**DO-160G Waveform**
1	53	10	
3	314	60	
5	1690	320	

WAVEFORM 5a PIN INJECTION – 40.0µs/120.0µs (±20%)(32.0µs – 48.0µs)(96.0µs – 144.0µs)			
Level	**Open Circuit Voltage in V**	**Short Circuit Current in A**	**DO-160G Waveform**
1	52	53	
2	128.4	136	
3	304	326	
4	758	800	
5	1630	1752	

PRODUCT PACKAGING
Nominal: Scaled 1”-1”

Not All Package Configurations Shown

0402/U0402
Width: 0.019” (0.48)
Length: 0.039” (1.00)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 2

0404
Width: 0.039” (1.00)
Length: 0.039” (1.00)
Height: 0.016” (0.41)
LD Pitch: N/A
Pad Count: 4

CDIP-16
Width: 0.47” (11.94)
Length:0.90” (22.86)
Height: 0.192” (4.83)
LD Pitch: 0.100” (2.54)
Pin Count: 16

DFN-2-0201(0603)
Width: 0.012” (0.30)
Length: 0.025” (0.64)
Height: 0.012” (0.30)
LD Pitch: N/A
Pad Count: 2

DFN-2-0402
Width: 0.024” (0.61)
Length: 0.040” (1.02)
Height: 0.018” (0.46)
LD Pitch: N/A
Pad Count: 2

DFN-2-KW
Width: 0.36” (9.14)
Length: 0.434” (11.05)
Height: 0.12” (3.05)
LD Pitch: 0.179”(4.50)
Pad Count: 2

DFN-4
Width: 0.040” (1.02)
Length: 0.040” (1.02)
Height: 0.020” (0.50)
LD Pitch: N/A
Pad Count: 4

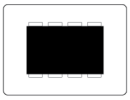
DFN-6
Width: 0.059” (1.50)
Length: 0.077” (1.96)
Height: 0.019” (0.48)
LD Pitch: 0.020” (0.50)
Pad Count: 6

DFN-8
Width: 0.079” (2.00)
Length: 0.079” (2.00)
Height: 0.031” (0.80)
LD Pitch: 0.020” (0.50)
Pad Count: 8

DFN-10
Width: 0.101” (2.57)
Length: 0.101” (2.57)
Height: 0.019” (0.48)
LD Pitch: 0.020” (0.50)
Pad Count: 10

DFN-12
Width: 0.063” (1.60)
Length:0.118” (3.00)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pad Count: 12

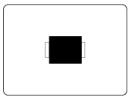
DFN-16
Width: 0.063” (1.60)
Length:0.158” (4.00)
Height: 0.031” (0.79)
LD Pitch: 0.020” (0.50)
Pad Count: 16



DIP-8
Width: 0.250” (6.35)
Length:0.39” (9.91)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 8

DIP-14
Width: 0.250” (6.35)
Length:0.740” (18.80)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 14

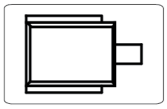
DIP-16
Width: 0.250” (6.35)
Length:0.755” (19.18)
Height: 0.160” (4.06)
LD Pitch: 0.100” (2.54)
Pin Count: 16



DO-214AA
Width: 0.17” (4.32)
Length:0.14” (3.56)
Height: 0.089” (2.25)
LD Pitch: N/A
Pin Count: 2

DO-214AB
Width: 0.27” (6.86)
Length:0.23” (5.84)
Height: 0.089” (2.25)
LD Pitch: N/A
Pin Count: 2

DO-214AC
Width: 0.17” (4.32)
Length:0.10” (2.54)
Height: 0.08” (2.03)
LD Pitch: N/A
Pin Count: 2



DO-218
Width: 0.40” (10.00)
Length:0.60” (15.50)
Height: 0.19” (5.0)
LD Pitch: N/A
Pin Count: 1

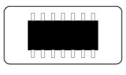
SC-70-5L
Width: 0.050” (1.27)
Length:0.079” (2.00)
Height: 0.035” (0.89)
LD Pitch: 0.025” (0.64)
Pin Count: 5

SC-70-6L
Width: 0.050” (1.27)
Length:0.079” (2.00)
Height: 0.035” (0.89)
LD Pitch: 0.025” (0.64)
Pin Count: 6

SC-79
Width: 0.032” (0.81)
Length: 0.046” (1.17)
Height: 0.024” (0.61)
LD Pitch: N/A
Pin Count: 2

SC-89
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 6

SO-8
Width: 0.192” (4.90)
Length: 0.15” (3.81)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.270
Pin Count: 8

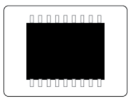


SO-14
Width: 0.15” (3.81)
Length:0.34” (8.63)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.27)
Pin Count: 14

PRODUCT PACKAGING
Nominal: Scaled 1”-1”

Not All Package Configurations Shown

SO-16
Width: 0.15” (3.81)
Length: 0.390” (9.90)
Height: 0.061” (1.55)
LD Pitch: 0.050” (1.27)
Pin Count: 16



SO-16WB
Width: 0.295” (7.50)
Length: 0.405” (10.30)
Height: 0.097” (2.46)
LD Pitch: 0.050” (1.27)
Pin Count: 16

SOD-323
Width: 0.051” (1.30)
Length: 0.69” (1.75)
Height: 0.037” (0.94)
LD Pitch: N/A
Pin Count: 2

SOD-723
Width: 0.024” (0.61)
Length: 0.040” (1.02)
Height: 0.022” (0.56)
LD Pitch: N/A
Pin Count: 2

SOD-923
Width: 0.024” (0.60)
Length: 0.031” (0.79)
Height: 0.015” (0.37)
LD Pitch: N/A
Pin Count: 2

SOT-143
Width: 0.051” (1.30)
Length:0.115” (2.92)
Height: 0.039” (1.00)
LD Pitch: 0.075” (1.90)
Pin Count: 4

SOT-23
Width: 0.051” (1.30)
Length:0.115” (2.92)
Height: 0.039” (1.00)
LD Pitch: 0.037” (0.95)
Pad Count: 3

SOT-23-6
Width: 0.065” (1.65)
Length:0.115” (2.92)
Height: 0.047” (1.19)
LD Pitch: 0.037” (0.95)
Pin Count: 6

SOT-543
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 4

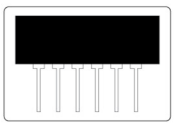
SOT-553
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 5

SOT-563
Width: 0.047” (1.19)
Length:0.063” (1.60)
Height: 0.022” (0.55)
LD Pitch: 0.020” (0.50)
Pin Count: 6

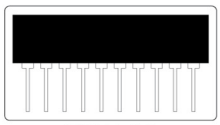
SOT-883
Width: 0.024” (0.50)
Length: 0.039” (1.00)
Height: 0.018” (0.45)
LD Pitch: 0.014”(0.36)
Pad Count: 3

SOT-953
Width: 0.031” (0.79)
Length:0.039” (1.00)
Height: 0.018” (0.46)
LD Pitch: 0.015” (0.38)
Pin Count: 5

SOT-963
Width: 0.031” (0.79)
Length:0.039” (1.00)
Height: 0.018” (0.46)
LD Pitch: 0.015” (0.38)
Pin Count: 6



VSIP-6
Width: 0.250” (6.35)
Length:0.780” (19.18)
Height: 0.130” (3.30)
LD Pitch: 0.100” (2.54)
Pin Count: 6



VSIP-10
Width: 0.250” (6.35)
Length:1.020” (25.90)
Height: 0.110” (2.79)
LD Pitch: 0.100” (2.54)
Pin Count: 10

COMPANY PROFILE

In business more than 30 years, ProTek Devices™ is a privately held semiconductor company. The company offers a product line of overvoltage protection components. These include Transient Voltage Suppressor arrays (TVS arrays), Steering Diode/Hybrid arrays, Thyristor Surge Suppressors, EMI Filters, High-Powered Components and Modules as well as Chipscale TVS arrays. These devices deliver circuit protection in electronic systems from numerous overvoltage events. They include lightning; electrostatic discharge (ESD); nuclear electromagnetic pulses (NEMP); inductive switching; and electromagnetic interference (EMI) / radio frequency interference (RFI). ProTek Devices is an ISO 9001 certified company.

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