

HVPZ·HVP Series

(16V to 35V) (50V to 125V)

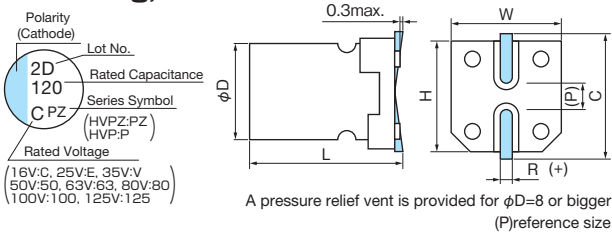
125°C

- 125°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

■ Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	16	25	35	50	63	80	100	125
Surge voltage (V)	Room temperature	20	32	44	63	79	100	125	157
Category temperature range (°C)	—	-55 to +125							
Capacitance tolerance (%)	120Hz/20°C	M : ±20							
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.16							
Leakage current (LC)	μA/after 2minutes (max.) (20°C)	≤ 63V	0.01CV						
		80V ≤	The greater value of either 0.05CV or 100						
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 2,000hours, D≥φ8 : 2,500hours					
			25V ≤	φ6.3 : 2,000hours, D≥φ8 : 3,000hours					
		ΔC/C	Within ±30% of the initial value						
		tanδ	Less than 200% of the specified value						
		ESR	Less than 200% of the specified value						
		LC	Less than the specified value						

■ Marking, Dimensions



(Unit : mm)

D ^{+0.5}	L ^{+0.3}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

■ Size, ESR, Rated Ripple Current

Series	V	HVPZ				HVP			
		16	25	35	50				
10					6.3×6.0	★	120	690	
15					6.3×7.7		80	840	
27				6.3×6.0	50	1070			
33							8×10.5	35	1170
47			6.3×6.0	40	1260	6.3×7.7	45	1280	
56							10×10.5	25	1390
68			6.3×7.7	35	1380				
82	6.3×6.0	38	1320				10×12.5	19	1590
100						8×10.5	28	1780	
120	6.3×7.7	32	1440						
150			8×10.5	25	1880	10×10.5	20	2440	
220						10×12.5	15	2800	
270	8×10.5	23	1970	10×10.5	19	2500			
330				10×12.5	14	2890			
470	10×10.5	18	2620						
560	10×12.5	14	3030						

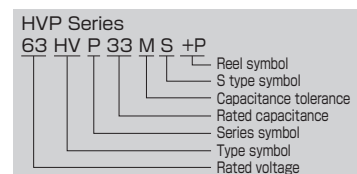
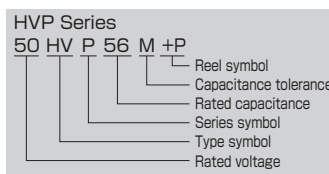
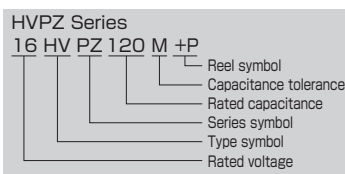
Series	V	HVP			
		63	80	100	125
6.8	6.3×6.0	150	670		
10	6.3×7.7	100	740		
12			10×10.5	70	900
15			10×10.5	70	900
18			10×12.5	50	1100
22	8×10.5	40	1090		
33	8×10.5	★	40	1090	
	10×10.5		30	1260	
47	10×10.5	30	1260		
56	10×12.5	22	1440		

Please refer to page 18 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C
Case size: φDxL(mm) Rated ripple current mArms(100kHz, 125°C)

■ Part number



Soldering Condition
Reflow Soldering Condition
Ripple Current Frequency Coefficient

FVL

HVHZ-HVH

HVPZ-HVP

HVT

HVHF

HVPF

HVPX

HVTX

HVHY

HVPY

HVTY

HVHC

HVPC

FVC

FVF

FVS

HEHF

HEPF

HEPC