

FVF Series

150°C Long Life

High Ripple Current

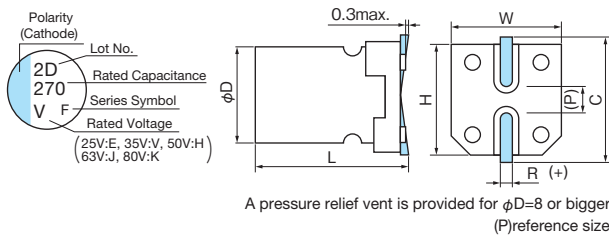


- 125°C 4,000hours, 135°C 4,000hours, 150°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	25	35	50	63	80	
Surge voltage (V)	Room temperature	32	44	63	79	100	
Category temperature range (°C)	—	$\phi D=6.3$: -40 to +135 $\phi D \geq 8$: -40 to +150					
Capacitance tolerance (%)	120Hz/20°C	M: ± 20					
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08	
Leakage current (LC)	μA /after 2minutes (max.), 20°C	0.01CV					
Endurance	150°C rated voltage applied (With the rated ripple current)	Test	4,000hours				
		$\Delta C/C$	Within $\pm 35\%$ of the initial value				
		tan δ	Less than 200% of the specified value				
		ESR	Less than 250% of the specified value				
		LC	Less than the specified value				
	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours				
		$\Delta C/C$	Within $\pm 30\%$ of the initial value				
		tan δ	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	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
10	13.8	10.3	10.3	11.0	1.0 to 1.4	4.6
10	16.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

V Items μF	25						35					50				
	Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			
			125°C	135°C	150°C			125°C	135°C	150°C			125°C	135°C	150°C	
33																
68					6.3x7.7	35	2700	1800	—							
100	6.3x7.7	30	2700	1800	—											
120										10x10.5	28	3600	2600	1400		
150						8x10.5	20	3500	2500	1200						
180										10x12.5	19	3900	2800	1600		
220	8x10.5	20	3500	2500	1200					10x13.8	18	4400	3100	1800		
270						10x10.5	18	4000	3100	1600						
330	10x10.5	18	4000	3100	1600	10x12.5	14	4700	3400	1800						
360						10x13.8	13	5200	3700	2000						
470	10x12.5	14	4700	3400	1800	10x16.5	11	5700	4100	2250						
560	10x13.8	13	5200	3700	2000											
680	10x16.5	11	5700	4100	2250											

V 項目 μF	63						80									
	Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)								
			125°C	135°C	150°C			125°C	135°C	150°C						
22	6.3x7.7	60	2000	1400	—											
33						8x10.5	45	2500	1700	900						
47	8x10.5	40	2700	1900	1000											
56	8x10.5	40	2700	1900	1000	10x10.5	36	3200	2200	1100						
68						10x12.5	32	3500	2400	1300						
82	10x10.5	30	3400	2400	1250	10x13.8	28	3900	2600	1500						
100	10x10.5★	30	3400	2400	1250	10x16.5	16	4400	3200	1800						
	10x12.5	22	3700	2600	1450											
120	10x12.5★	22	3700	2600	1450											
	10x13.8	20	4100	2800	1700											
150	10x13.8★	20	4100	2800	1700											
	10x16.5	15	4900	3500	2000											
180	10x16.5	15	4900	3500	2000											

Please refer to page 18 for ripple current frequency coefficients.
★S type

Part number

