

FVF Series

150°C Long Life

High Ripple Current



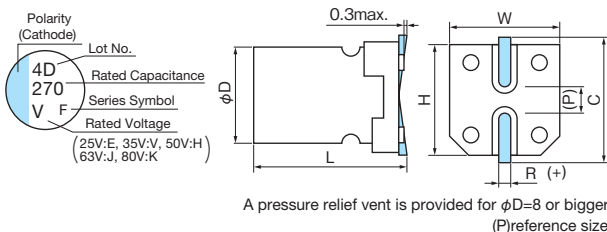
- 125°C 4,000hours, 135°C 4,000hours, 150°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

UPGRADE

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)	—	φ6.3 : -55 to +135 φ8-φ10 : -55 to +150				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor(tan δ)	tanδ (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) φ8-φ10	Test	4,000hours			
		ΔC/C	Within ±35% of the initial value			
		tanδ	Not more than 200% of the specified value			
		ESR	Not more than 250% of the specified value			
		LC	Not more than the specified value			
	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours			
		ΔC/C	Within ±30% of the initial value			
		tanδ	Not more than 200% of the specified value			
		ESR	Not more than 200% of the specified value			
		LC	Not more than the specified value			
Shelf Life	φD=6.3 : 135°C, φD≥8 : 150°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.				

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 φDxL (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mAmps/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mAmps/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mAmps/100kHz)		
33											6.3x7.7	40	2200	1500	—
68						6.3x7.7	35	2700	1800	—	8x10.5	30	2900	2100	1100
100	6.3x7.7	30	2700	1800	—						10x10.5	28	3600	2600	1400
120											10x10.5	28	3600	2600	1400
150						8x10.5	20	4000	3000	1200	10x12.5	19	3900	2800	1600
180											10x13.8	18	4400	3100	1800
220	8x10.5	20	4000	3000	1200						10x16.5	13	5100	3700	2100
270						10x10.5	18	4600	3400	1600					
330	10x10.5	18	4600	3400	1600	10x12.5	14	5200	3900	1800					
360						10x13.8	13	5600	4200	2000					
390						10x13.8	13	5600	4200	2000					
470	10x12.5	14	5200	3900	1800	10x16.5	11	6000	4500	2250					
560	10x13.8	13	5600	4200	2000										
680	10x16.5	11	6000	4500	2250										

V Items μF	63					80				
	Case size φDxL (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mAmps/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mAmps/100kHz)		
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★ 10x12.5	30 22	3400 3700	2400 2600	1250 1450	10x16.5	16	4400	3200	1800
120	10x12.5★ 10x13.8	22 20	3700 4100	2600 2800	1450 1700					
150	10x13.8★ 10x16.5	20 15	4100 4900	2800 3500	1700 2000					
180	10x16.5	15	4900	3500	2000					

Please refer to page 20 for ripple current frequency coefficients.

★S type

Part number

