

FVF Series

150°C Long Life

High Ripple Current



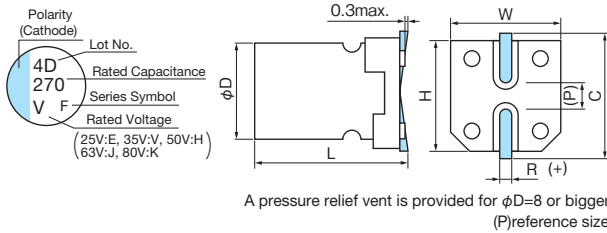
- 125°C 4,000hours, 135°C 4,000hours, 150°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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			
	125°C, 135°C rated voltage applied (With the rated ripple current)	LC	Not more than the specified value			
		Test	4,000hours			
		ΔC/C	Within ±30% of the initial value			
		tanδ	Not more than 200% of the specified value			
Shelf Life	φD=6.3 : 135°C, φD≥8 : 150°C, 1,000hours(with no voltage load)	ESR	Not more than 200% of the specified value			
		LC	Not more than the specified value			
		Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.				

Marking, Dimensions



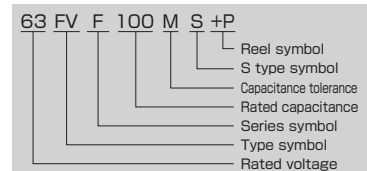
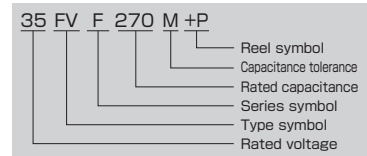
D ^{+0.5}	L ^{+0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	13.8	10.3	10.3	11.0	1.0 to 1.4	4.6
10	16.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

V Items μF	25						35						50					
	Case size φDxL (mm)	ESR(mΩmax.) (20C/100kHz)	Rated ripple current(mArms/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20C/100kHz)	Rated ripple current(mArms/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20C/100kHz)	Rated ripple current(mArms/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	—				6.3x7.7	40	2200	1500	—
100	6.3x7.7	30	2700	1800	—									8x10.5	30	2900	2100	1100
120														10x10.5	28	3600	2600	1400
150														10x10.5	28	3600	2600	1400
180														10x12.5	19	3900	2800	1600
220														10x13.8	18	4400	3100	1800
270	8x10.5	20	4000	3000	1200									10x16.5	13	5100	3700	2100
330						10x10.5	18	4600	3400	1600								
360	10x10.5	18	4600	3400	1600	10x12.5	14	5200	3900	1800								
390						10x13.8	13	5600	4200	2000								
470						10x13.8	13	5600	4200	2000								
560	10x12.5	14	5200	3900	1800	10x16.5	11	6000	4500	2250								
680	10x13.8	13	5600	4200	2000													
	10x16.5	11	6000	4500	2250													

V Items μF	63						80					
	Case size φDxL (mm)	ESR(mΩmax.) (20C/100kHz)	Rated ripple current(mArms/100kHz)			Case size φDxL (mm)	ESR(mΩmax.) (20C/100kHz)	Rated ripple current(mArms/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							

Part number



Please refer to page 20 for ripple current frequency coefficients.

★S type