

FVF Series

150°C Long Life

High Ripple Current

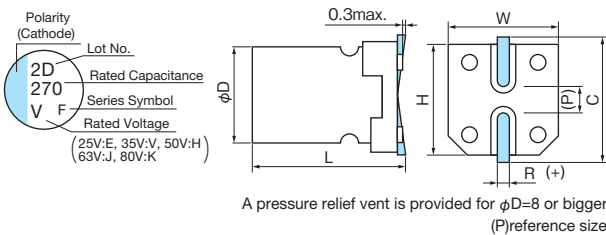


- 125°C 4,000hours, 135°C 4,000hours, 150°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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

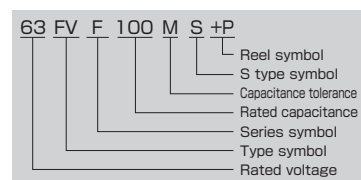
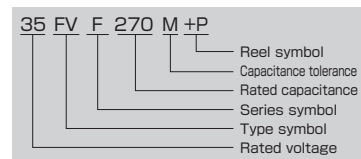
Size, ESR, Rated Ripple Current

V Items μF	25					35					50				
	Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20°C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20°C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20°C/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											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											10x12.5	19	3900	2800	1600
150						8x10.5	20	3500	2500	1200					
180											10x13.8	18	4400	3100	1800
220	8x10.5	20	3500	2500	1200						10x16.5	13	5100	3700	2100
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.) (20°C/100kHz)	Rated ripple current (mA r_{ms} /100kHz)			Case size $\phi D \times L$ (mm)	ESR (m Ω max.) (20°C/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



Aluminum Electrolytic Capacitors with Hybrid Conductive Polymer

- 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