

FEF Series

125°C · 135°C

High Ripple Current

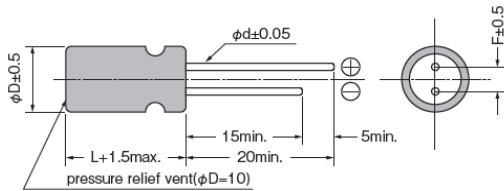
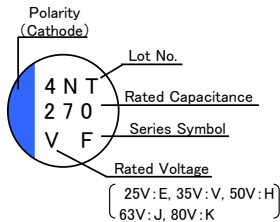
- 125°C: 4,000hours, 135°C: 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200
- Laminated case



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)	—	-55 to +135				
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 2 minutes (max.), 20°C	The greater value of either 0.05CV or 100				
Endurance	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours			
		ΔC/C	Within ±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			
Shelf Life	135°C, 1000hours (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



φD	L	W	φd
6.3	7.2	2.5	0.45
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7
10	15.0	5.0	0.7

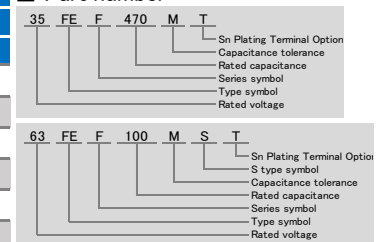
(Unit: mm)

Size, ESR, Rated Ripple Current

Items μF	25				35				50			
	Case size φD × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φD × L (mm)	ESR	Rated ripple current		Case size φD × L (mm)	ESR	Rated ripple current	
			125°C	135°C			125°C	135°C			125°C	135°C
33									6.3 × 7.2	40	2200	1500
68					6.3 × 7.2	35	2700	1800	8 × 9.5	30	2900	2100
100	6.3 × 7.2	30	2700	1800								
120									10 × 9.5	28	3600	2600
150					8 × 9.5	20	4000	3000	10 × 11.5	19	3900	2800
220	8 × 9.5	20	4000	3000					10 × 15	13	5100	3700
270					10 × 9.5	18	4600	3400				
330	10 × 9.5	18	4600	3400	10 × 11.5	14	5200	3900				
470	10 × 11.5	14	5200	3900	10 × 15	11	6000	4500				
680	10 × 15	11	6000	4500								

Items μF	63				80			
	Case size φD × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φD × L (mm)	ESR	Rated ripple current	
			125°C	135°C			125°C	135°C
22	6.3 × 7.2	60	2000	1400				
33					8 × 9.5	45	2500	1700
47	8 × 9.5	40	2700	1900				
56	8 × 9.5	40	2700	1900	10 × 9.5	36	3200	2200
68					10 × 11.5	32	3500	2400
82	10 × 9.5	30	3400	2400				
100	10 × 9.5 ★	30	3400	2400	10 × 15	16	4400	3200
	10 × 11.5	22	3700	2600				
120	10 × 11.5 ★	22	3700	2600				
150	10 × 15	15	4900	3500				
180	10 × 15	15	4900	3500				

Part number



★ S type