

FEF Series

125°C・135°C

High Ripple Current

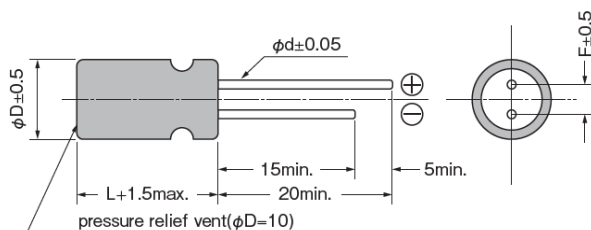
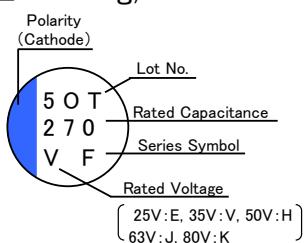
- 125°C:4,000hours, 135°C:4,000hours
- Solvent proof(within 2 minutes)
- AEC-Q200
- Laminated case

UP GRADE

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)	μ A/after 2 minutes(max.), 20°C	0.05CV				
Endurance	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours			
		Δ C/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



(Unit:mm)

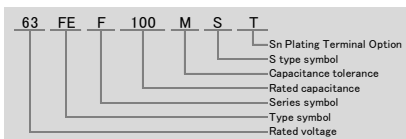
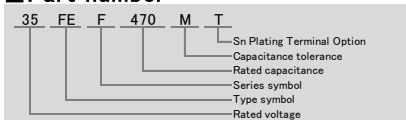
φD	L	W	φd
6.3	7.2	2.5	0.45
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7
10	15.0	5.0	0.7

Size, ESR, Rated Ripple Current

Items	25				35				50			
	Case size φD×L(mm)	ESR(mΩ max.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)		Case size φD×L(mm)	ESR(mΩ max.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)		Case size φD×L(mm)	ESR(mΩ max.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)	
μF			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	3600	2700
100	6.3×7.2	30	2700	1800					10×9.5	28	4300	3200
120									10×9.5	28	4300	3200
150					8×9.5	20	4000	3000	10×11.5	19	4700	3500
220	8×9.5	20	4000	3000					10×16.5	13	5500	4100
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	10×15.0	11	6000	4500				
680	10×15.0	11	6000	4500								

Items	63				80			
	Case size φD×L(mm)	ESR(mΩ max.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)		Case size φD×L(mm)	ESR(mΩ max.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)	
μF			125°C	135°C			125°C	135°C
22	6.3×7.2	60	2000	1400				
33					8×9.5	45	3200	2400
47	8×9.5	40	3400	2600				
56	8×9.5	40	3400	2600	10×9.5	36	3600	2700
68					10×11.5	32	4000	3000
82	10×9.5	30	4000	3000				
100	10×9.5★	30	4000	3000	10×15.0	16	4800	3600
	10×11.5	22	4600	3500				
120	10×11.5★	22	4600	3500				
150	10×15.0	15	5300	4000				
180	10×15.0	15	5300	4000				

Part number



★ S type