

Aluminum Electrolytic Capacitors



Aluminum Electrolytic Type / Radial Lead Type

RoHS compliance

ME-FC-FD Series

105°C Miniature, Mid. and High Voltage

105°C Low Profile, Mid. and High Voltage

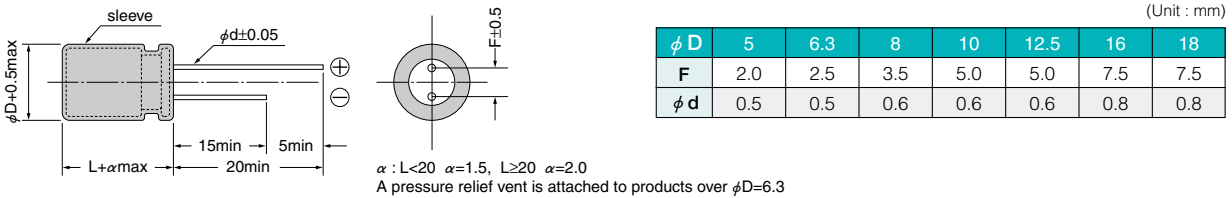


- 105°C, 1,000 to 2,000hrs
- Do not clean the capacitors using solvent.

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	160	200	250	350	400	450	
Surge voltage (V)	Room temperature	200	250	300	400	450	500	
Category temperature range (°C)	—	-40 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor (DF)	120Hz/20°C	0.20	0.20	0.20	0.25	0.25	0.25	
Leakage current (LC)	μA/after 2minutes (max)	CV ≤ 1,000	0.03CV + 15					
		CV > 1,000	0.02CV + 25					
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	3	3	3	4	6	6
		-40°C Z/Z _{20°C}	6	6	6	8	10	—
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ 5 to φ 8 : 1,000hrs., φ 10 to φ 18 : 2,000hrs.					
		ΔC/C	Within ±20% of the initial value					
		tan δ	≤ 2 times the initial specified value					
		LC	≤ The initial specified value					

Dimensions



Size List, Rated Ripple Current

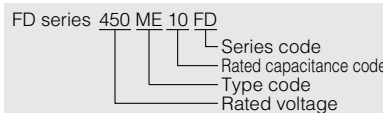
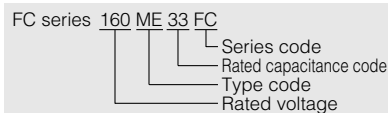
μF	V	160	200	250	350	400	450					
0.47	5 x 11	7	5 x 11	8	5 x 11	8	6.3 x 11	10	6.3 x 11	10		
1.0	5 x 11	15	5 x 11	16	5 x 11	18	6.3 x 11	20	8 x 11.5	20	8 x 12.5	18
2.2	6.3 x 11	22	6.3 x 11	24	6.3 x 11	25	8 x 11.5	28	8 x 11.5	28	10 x 16	28
3.3	6.3 x 11	28	6.3 x 11	32	8 x 11.5	34	8 x 12.5	36	10 x 12.5	36	10 x 20	36
4.7	6.3 x 11	39	8 x 11.5	40	8 x 11.5	41	10 x 12.5	47	10 x 16	47	12.5 x 20	47
10	8 x 11.5	63	8 x 12.5	64	10 x 12.5	66	10 x 20	70	10 x 20	70	12.5 x 25 16 x 21	70
22	10 x 12.5	107	10 x 16	112	10 x 20	119	12.5 x 25 16 x 21	123	12.5 x 25 16 x 21	126	16 x 25 18 x 21	125
33	10 x 20	137	10 x 20	147	12.5 x 20	154	16 x 25 18 x 21	158	16 x 25 18 x 21	161	16 x 30 18 x 25	154
47	12.5 x 20	172	12.5 x 20	175	12.5 x 25 16 x 21	182	16 x 30 18 x 25	182	16 x 30 18 x 25	189	18 x 35.5	172
68	12.5 x 20	217	12.5 x 25 16 x 21	228	16 x 25 18 x 21	235	16 x 35.5 18 x 30.5	242	18 x 35.5	249		
82	12.5 x 25 16 x 21	270	16 x 21	277	16 x 30 18 x 25	284	18 x 35.5	294				
100	12.5 x 25 16 x 21	287	16 x 25 18 x 21	301	16 x 35.5 18 x 25	302						
150	16 x 30 18 x 25	385	16 x 35.5 18 x 30.5	403	18 x 35.5	412						
220	16 x 35.5 18 x 30.5	522	18 x 35.5	532								

Upper ; FC series (0.47μF to 4.7μF ; FC series)
Lower ; FD series

Please refer to page 19 for the ripple current frequency coefficient.

Rated ripple current
mA rms (120Hz, 105°C)

Model No.



Case size ; φ D x L (mm)