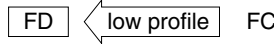


ME-FC·FD Series

105°C mid. and high voltage, miniature
105°C mid. and high voltage, low profile.

ME-FC series is standard in 105°C mid. and high voltage lineup.

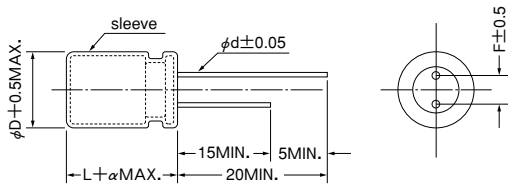
ME-FD series is low profile version of ME-FC series.



Specifications

Items		Specifications					
Rated voltage (V)		160	200	250	350	400	450
Category temperature range (°C)		-40 to +105					
Capacitance tolerance (%)		±20 (120Hz/20°C)					
Tangent of loss angle (tan δ) (MAX.) (120Hz/20°C)		0.20	0.20	0.20	0.25	0.25	0.25
Leakage current (L.C.) (μA/after 2min.) (MAX.)	CV ≤ 1000	0.03CV + 15					
	CV > 1000	0.02CV + 25					
Impedance (120Hz) ratio at low temperature	Z _{-25°C} /Z _{20°C}	3	3	3	4	6	6
	Z _{-40°C} /Z _{20°C}	6	6	6	8	10	—
Endurance rated voltage applied.	Test	105°C 2000hrs. (φ D ≤ 8, 1000hrs.)					
	ΔC/C	Within ±20% of the initial value					
	tan δ	≤ Twice the initial standard					
	L.C.	≤ The initial standard					

Dimensions



φ D	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φ d	0.5	0.5	0.6	0.6	0.6	0.8	0.8

α: L < 20 α = 1.5, L ≥ 20 α = 2.0
A pressure relief vent is attached to products over φ D = 6.3

Size List, Maximum Permissible Ripple Current

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

Case size ; φ D × L (mm) Upper ; FC series. Lower ; FD series. Case size Maximum permissible ripple current
Maximum permissible ripple current ; (mA r.m.s.) at 120Hz, 105°C

Model No.

