

ME-FH Series

105°C, Small, Long Life

High Voltage

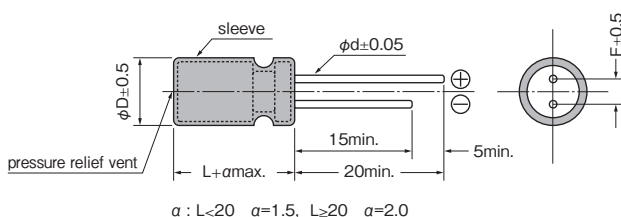


- 105°C 10,000 to 12,000hours
- Non solvent proof

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						-25 to +105
Capacitance tolerance (%)	120Hz/20°C		M : ±20						
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20°C		0.20	0.20	0.20	0.25	0.25	0.25	
Leakage current(LC)	μA/after 2minutes (max.), 20°C		0.02CV +25						
Impedance ratio at low temperature	Based on 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	φ10 : 10,000hours, φ12.5 to φ18 : 12,000hours						
		ΔC/C	Within ±20% of the initial value						
		tanδ	Not more than 200% of the specified value						
		LC	Not more than the specified value						
Shelf Life	105°C, 1,000hours(with no voltage load)		Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.						

Dimensions



(Unit : mm)

φD	10	12.5	16	18
F	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8

Size, Rated Ripple Current

μF \ V	160	200	250	350	400	450
4.7					10×12.5	57
6.8					10×16	88
10		10×12.5	105	10×16	100	108
22		10×16	173	10×20	184	12.5×20
33	10×16	190	10×20	227	12.5×25	195
47	10×20	270	12.5×20	270	16×25	249
68	12.5×20	336	12.5×25	282	16×31.5	292
82	12.5×20	346	16×25	364	18×31.5	346
100	12.5×25	410	16×25	403	18×35.5	420
150	16×25	500	16×31.5	418	18×41	500
220	16×31.5	570	18×31.5	545		

Please refer to page 16 for ripple current frequency coefficients.

Case size: φD×L (mm)

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

Part number

