

ME-FH Series

105°C, Small, Long Life

High Voltage



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

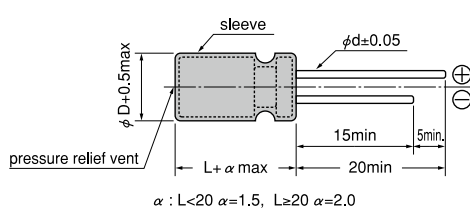
ME-FH ← Long Life ME-FC-FD (P.92)

Radial Lead Type
Aluminum Electrolytic Capacitors

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 (tan δ)	tan δ (max) 120Hz/20°C	0.20	0.20	0.20	0.25	0.25	0.25	
Leakage current (LC)	μA/after 2minutes (max)	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 10 : 10,000hours, φ 12.5 to φ 18 : 12,000hours					
		ΔC/C	Within ±20% of the initial value					
		tan δ	Less than 200% of the specified value					
		LC	Less than the specified value					

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

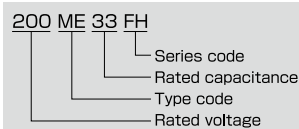
μF \ V	160	200	250	350	400	450
4.7					10×12.5	57
6.8					10×16	88
10		10×12.5	105	10×16	106	10×16
22		10×16	173	10×20	184	12.5×20
33	10×16	190	10×20	227	12.5×20	238
47	10×20	270	12.5×20	270	12.5×25	282
68	12.5×20	336	12.5×20	325	16×25	364
82	12.5×20	346	12.5×25	370	16×25	403
100	12.5×25	410	16×25	436	16×31.5	418
150	16×25	500	16×31.5	470	18×31.5	545
220	16×31.5	570	18×31.5	660		

Please refer to page 15 for ripple current frequency coefficients.

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

Case size: φDxL (mm)

Part number



ME-SWB
ME-UZ-SZ
ME-UAX-SAX
ME-SWG
ME-HC
ME-CZ
ME-CA
ME-CX
ME-AX
ME-WX
ME-WA
ME-WL
ME-WG
ME-LS
ME-FX
ME-PX
ME-HPC-HPD
ME-FC-FD
ME-FH
ME-SWN
ME-HWN