

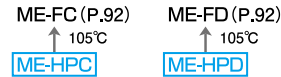
ME-HPC·HPD Series

Standard, High Voltage

Low Profile, High Voltage



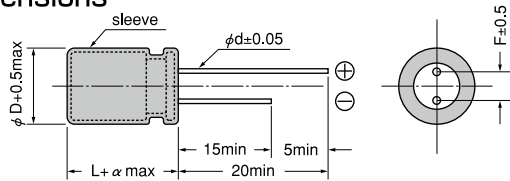
- Non solvent proof



Specifications

Items	Condition	Specifications							
		160	200	250	350	400	450		
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 +85			-25 to +85				
Capacitance tolerance (%)	120Hz/20°C	M : ±20							
Dissipation Factor (tanδ)	tanδ (max) 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	12	
		-40°C Z/Z _{20°C}	6	6	6	—	—	—	
Endurance	85°C, 2,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±20% of the initial value						
		tan δ	Less than 200% of the specified value						
		LC	Less than the specified value						

Dimensions



α : L<20 α=1.5, L≥20 α=2.0
A pressure relief vent is provided for φD=6.3 or bigger

(Unit : mm)

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8

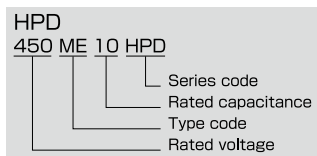
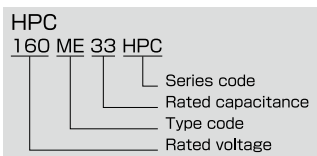
Size, Rated Ripple Current

µF \ V	160	200	250	350	400	450
0.47	5×11 10	5×11 11	5×11 12			
1.0	5×11 21	5×11 23	5×11 25	6.3×11 29		
2.2	6.3×11 31	6.3×11 34	6.3×11 35	8×11.5 40	8×11.5 40	
3.3	6.3×11 40	6.3×11 46	8×11.5 48	8×12.5 52	10×12.5 52	
4.7	6.3×11 55	8×11.5 57	8×11.5 59	10×12.5 67	10×16 67	
10	8×11.5 90	8×12.5 92	10×12.5 94	10×16 100	10×20 100	16×21 100
22	10×12.5 153	10×16 160	10×20 170	12.5×20 175	12.5×25 180	16×25 180
33	10×20 195	10×20 210	12.5×20 220	12.5×25 225	16×25 230	16×30 220
47	12.5×20 245	12.5×20 250	12.5×25 260	16×25 260	16×30 270	18×35.5 245
68	12.5×20 310	12.5×25 325	16×25 335	16×35.5 340	16×35.5 345	
82	12.5×25 380	16×21 390	16×30 400	18×30.5 405	18×35.5 420	
100	12.5×25 410	16×25 430	16×30 432	18×35.5 440		
150	16×30 550	16×35.5 575	18×35.5 588			
220	16×35.5 745	18×35.5 760				

Please refer to page 15 for ripple current frequency coefficients.
Upper : ME-HPC series(0.47µF to 4.7µF:ME-HPC series)
Lower : ME-HPD series

Rated ripple current mArms(120Hz, 85°C) Case size:φDxL(mm)

Part number



Radial Lead Type
Aluminum Electrolytic Capacitors

- 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