

ME-HPC·HPD Series

Standard, High Voltage

Low Profile, High Voltage

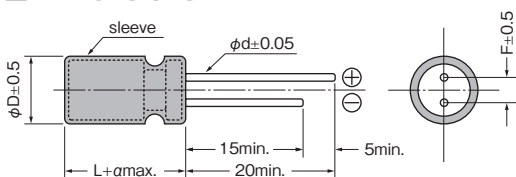


- Non solvent proof

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 +85			-25 to +85			
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.)	CV ≤ 1,000	0.03CV + 15					
		CV > 1,000	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	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					
		tanδ	Less than 200% of the specified value					
		LC	Less than the specified value					

Dimensions



$$a : L < 20 \quad a = 1.5, \quad L \geq 20 \quad a = 2.0$$

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
2.2	6.3×11	31	6.3×11	34	6.3×11	35
3.3	6.3×11	40	6.3×11	46	8×11.5	48
4.7	6.3×11	55	8×11.5	57	8×11.5	59
10	8×11.5	90	8×12.5	92	10×12.5	94
22	10×12.5	153	10×16	160	10×20	170
33	10×20	195	10×20	210	12.5×20	220
47	12.5×20	245	12.5×20	250	12.5×25	260
68	12.5×20	310	12.5×25	325	16×25	335
82	12.5×25	380	16×21	390	16×30	400
100	12.5×25	410	16×25	430	16×30	432
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 14 for ripple current frequency coefficients.

Upper : ME-HPC series(0.47μF to 4.7μF:ME-HPC series)

Lower : ME-HPD series

Case size:φDxL(mm)

 Rated ripple current
mA Arms(120Hz, 85°C)

Part number

