

ME-HPC·HPD Series

Standard, High Voltage

Low Profile, High Voltage



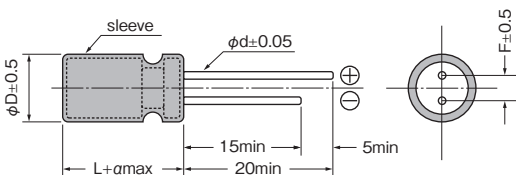
- Non solvent proof



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


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

 A pressure relief vent is provided for $\phi D = 6.3$ 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: $\phi D \times L$ (mm)

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

Part number

