

ME-HWN Series

Bi-polar

Standard

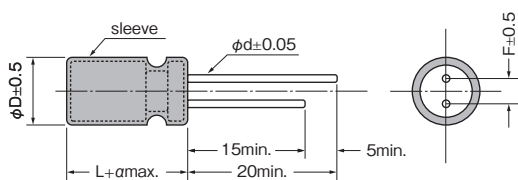


- 85°C 2,000hours
- Solvent proof(within 5 minutes)

Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	6.3	10	16	25	35	50	100	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	125	
Category temperature range (°C)	—	-40 to +85							
Capacitance tolerance (%)	120Hz/20°C	M : ±20							
Dissipation Factor (tan δ)	tanδ(max.) 120Hz/20°C	0.24	0.20	0.18	0.16	0.14	0.13	0.10	
		Exceeding 1,000μF, +0.02 every 1,000μF							
Leakage current (LC)	μA/after 1 minute (max.)	0.03CV +6							
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	4	3	3	2	2	2	2
		-40°C Z/Z _{20°C}	10	8	8	6	4	4	4
Endurance	500hours×4(alternately) 85°C, rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value						
		tanδ	Less than 200% of the specified value						
		LC	Less than the specified value						

Dimensions



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

 A pressure relief vent is provided for $\phi D = 6.3$ or bigger

(Unit : mm)

ϕD	5	6.3	8	10	12.5
F	2.0	2.5	3.5	5.0	5.0
ϕd	0.5	0.5	0.6	0.6	0.6

Size, Rated Ripple Current

$\mu F \backslash V$	6.3	10	16	25	35	50	100
1.0						5×11	10
2.2						5×11	20
3.3						5×11	28
4.7				5×11	25	5×11	30
10			5×11	28	5×11	40	5×11
22		5×11	38	5×11	50	5×11	60
33	5×11	50	5×11	58	5×11	60	6.3×11
47	5×11	60	5×11	70	6.3×11	85	6.3×11
100	6.3×11	120	6.3×11	125	8×11.5	165	8×12.5
220	8×11.5	210	8×12.5	225	10×12.5	260	10×16
330	8×11.5	260	10×12.5	295	10×16	360	10×20
470	10×12.5	330	10×16	390	10×20	420	12.5×20
1000	10×20	560	12.5×20	620	12.5×25	740	
2200	12.5×25	890					

Please refer to page 14 for ripple current frequency coefficients.

 Case size: $\phi D \times L$ (mm)

 Rated ripple current
 mA_{rms} (120Hz, 85°C)

Part number

