

Hybrid Conductive Polymer Type / Radial Lead Type

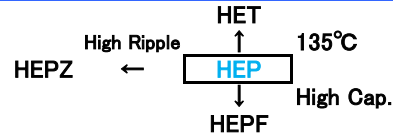
RoHS compliance

HEP Series

125°C

High Voltage

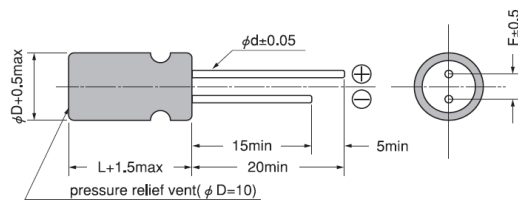
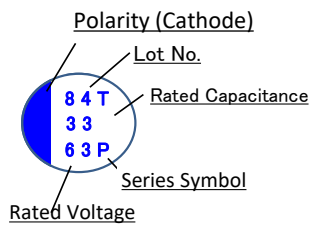
- 125°C 2,000~3,000hours
- Solvent proof (within 2 minutes)



Specifications

Items	Condition	Specifications										
Rated voltage (V)	—	16	25	35	40	50	63	80	100			
Surge voltage (V)	Room temperature	20	32	44	50	63	79	100	125			
Category temperature range (°C)	—	-55 to +125										
Capacitance tolerance (%)	120Hz/20°C	M: ±20										
Dissipation Factor (tanδ)	tanδ (max) 120Hz/20°C	0.16										
Leakage current (LC)	μ A/after 2minutes (max)	The greater value of either 0.05CV or 100										
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ 6.3 : 2,000hours, D ≥ φ 8 : 2,500hours								
			25V ≤	φ 6.3 : 2,000hours, D ≥ φ 8 : 3,000hours								
		Δ C/C	Within ±30% of the initial value									
		tanδ	Less than 200% of the specified value									
		ESR	Less than 200% of the specified value									
		LC	Less than the specified value									

Marking, Dimensions



(Unit: mm)

φ D	L	F	φ d
6.3	7.2	2.5	0.45
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7

Size, ESR, Rated Ripple Current

μ F	V	16			25			35			40		
		27							6.3 × 7.2	60	910	6.3 × 7.2	70
47											8 × 9.5	32	1220
56					6.3 × 7.2	45	980						
68								8 × 9.5	30	1260	10 × 9.5	24	1440
100											10 × 11.5	18	1650
120	6.3 × 7.2	40	1160				10 × 9.5	27	1330				
150					8 × 9.5	22	1520	10 × 9.5	23	1480			
220								10 × 11.5	17	1700			
270	8 × 9.5	26	1540										
330					10 × 9.5	16	1740						
470	10 × 9.5	21	2010										
560	10 × 11.5	15	2320										

μ F	V	50			63			80			100		
		10				6.3 × 7.2	100	740				10 × 9.5	80
12								10 × 9.5	70	900	10 × 9.5	80	870
15	6.3 × 7.2	80	840				10 × 9.5	70	900	10 × 11.5	60	1000	
18								10 × 11.5	50	1100			
22					8 × 9.5	40	1090						
33	8 × 9.5	35	1170		8 × 9.5※	40	1090						
47					10 × 9.5	30	1260						
56	10 × 9.5	25	1390		10 × 9.5	30	1260						
82	10 × 11.5	19	1590		10 × 11.5	22	1440						

ESR (mΩ)  
max at 100kHz, 20°C

Case size : φ D × L (mm)

Rated ripple current  
mArms (100kHz, 125°C)

※S type

Model No.

