

Hybrid Conductive Polymer Type / Radial Lead Type

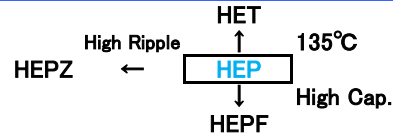
RoHS compliance

HEP Series

125°C

High Voltage

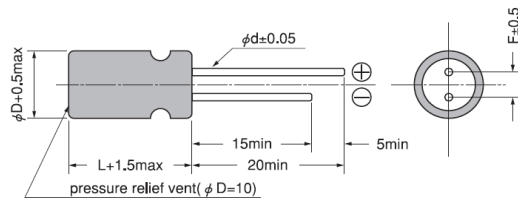
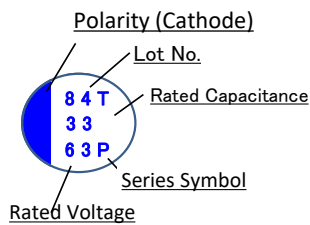
- 125°C 2,000~3,000hours
- Solvent proof (within 2 minutes)



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	16				25				35				40									
27									6.3 × 7.2		60		910		6.3 × 7.2		70		870			
47															8 × 9.5		32		1220			
56																						
68					6.3 × 7.2		45		980													
100											8 × 9.5		30		1260		10 × 9.5		24		1440	
120	6.3 × 7.2		40		1160												10 × 11.5		18		1650	
150							8 × 9.5		27		1330		10 × 9.5		23		1480					
220													10 × 11.5		17		1700					
270	8 × 9.5		26		1540		10 × 9.5		22		1520											
330							10 × 11.5		16		1740											
470	10 × 9.5		21		2010																	
560	10 × 11.5		15		2320																	

μ F	50				63				80				100									
10					6.3 × 7.2		100		740						10 × 9.5		80		870			
12															10 × 9.5		80		870			
15	6.3 × 7.2		80		840								10 × 9.5		70		900		10 × 9.5		80	
18													10 × 11.5		50		1100		10 × 11.5		60	
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											

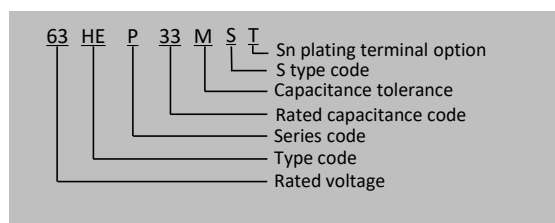
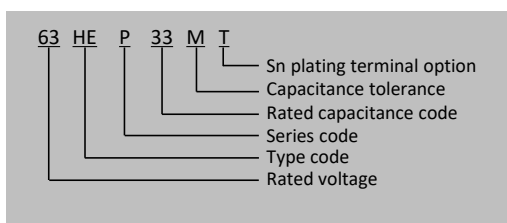
ESR (mΩ)  
max at 100kHz, 20°C

Case size : φ D × L (mm)

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

※S type

Model No.



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