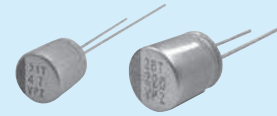


Hybrid Conductive Polymer Type / Radial Lead Type

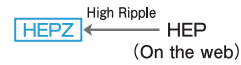
RoHS compliance

HEPZ Series

125°C, High Reliability
High Ripple Current



- 125°C, 2,000 to 3,000hours • Laminated case
- Solvent proof (within 2 minutes)



Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	16	25	35	40	
Surge voltage (V)	Room temperature	20	32	44	50	
Category temperature range (°C)	—	-55 to +125				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.16				
Leakage current (LC)	μA/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	φ6.3 : 2,000hours, D≥φ8 : 2,500hours		
			25V _±	φ6.3 : 2,000hours, D≥φ8 : 3,000hours		
		ΔC/C	Within ±30% of the initial value			
		tan δ	Less than 200% of the specified value			
		ESR	Less than 200% of the specified value			
		LC	Less than the specified value			

Marking, Dimensions

Polarity (Cathode)

Lot No.

56T

Rated Capacitance

270

Series Symbol

CPZ

Rated Voltage

(16V: C, 25V: E)

(35V: V, 40V: G)

φD	L	F	φd
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

μF	16		25		35		40				
	V	ESR(mΩ)	V	ESR(mΩ)	V	ESR(mΩ)	V	ESR(mΩ)			
27							6.3x7.2	48	1230		
47						6.3x7.2	45	1280			
56								8x9.5	30	1710	
68			6.3x7.2	35	1380						
100						8x9.5	28	1780	10x9.5	21	2360
120	6.3x7.2	32	1440						10x11.5	16	2700
150				8x9.5	25	1880	10x9.5	20	2440		
220						10x11.5	15	2800			
270	8x9.5	23	1970	10x9.5	19	2500					
330				10x11.5	14	2890					
470	10x9.5	18	2620								
560	10x11.5	14	3030								

Please refer to page 20 for ripple current frequency coefficients.

ESR(mΩ)
max at 100kHz, 20°C

Case size: φDxL(mm)

Rated ripple current
mA rms(100kHz, 125°C)

Part number

16 HE PZ 270 M T

- 16: Rated voltage
- HE: Type code
- PZ: Series code
- 270: Rated capacitance
- M: Capacitance tolerance
- T: Sn plating terminal option