

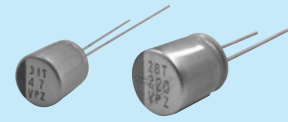
Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

HEPZ Series

125°C

High Ripple Current



- 125°C 2,000 to 3,000hours ● Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

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)	tanδ (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			
		tanδ	Less than 200% of the specified value			
		ESR	Less than 200% of the specified value			
		LC	Less than the specified value			

Marking, Dimensions

Lot No.

9DT
270
C PZ

Rated Capacitance

Series Symbol

Rated Voltage
(16V:C, 25V:E
35V:V, 40V:G)

Polarity (Cathode)

(Unit : mm)

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 \ V	16		25		35		40		
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	
120	6.3x7.2	32	1440					10x9.5 21 2360	
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 18 for ripple current frequency coefficients.

ESR(mΩ)max. at 100kHz, 20°C
Case size: φDxL(mm)
Rated ripple current mArms(100kHz, 125°C)

Part number

16 HE PZ 270 M T

- Sn plating terminal option
- Capacitance tolerance
- Rated capacitance
- Series code
- Type code
- Rated voltage