

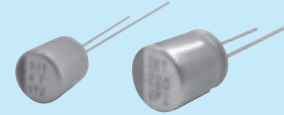
Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

# HEPZ Series

125°C

High Ripple Current



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

HEPZ ← High Ripple HEP  
(On the web)

## 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 <sub>s</sub>	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.

7N1  
270  
CPZ

Rated Capacitance

Series Symbol

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

(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								6.3×7.2	48	1230	
47						6.3×7.2	45	1280			
56								8×9.5	30	1710	
68				6.3×7.2	35	1380					
100						8×9.5	28	1780	10×9.5	21	2360
120	6.3×7.2	32	1440						10×11.5	16	2700
150				8×9.5	25	1880					
220						10×11.5	15	2800			
270	8×9.5	23	1970	10×9.5	19	2500					
330				10×11.5	14	2890					
470	10×9.5	18	2620								
560	10×11.5	14	3030								

Please refer to page 19 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

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