

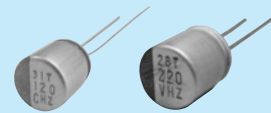
Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

# HEHZ Series

105°C

High Ripple Current



- 105°C 2,000 to 5,000hours ● 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 +105			
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	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 2,000hours, D <sub>≥</sub> φ8 : 5,000hours		
		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  
CHZ

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							6.3×7.2	48   1770	
47					6.3×7.2	45	1840		
56							8×9.5	30   2450	
68			6.3×7.2	35	1980				
100					8×9.5	28	2550	10×9.5	21   3380
120	6.3×7.2	32	2070				10×11.5	16   3870	
150			8×9.5	25	2690	10×9.5	20	3490	
220					10×11.5	15	4000		
270	8×9.5	23	2820	10×9.5	19	3580			
330			10×11.5	14	4140				
470	10×9.5	18	3750						
560	10×11.5	14	4340						

Please refer to page 18 for ripple current frequency coefficients.

ESR(mΩ)max. at 100kHz, 20°C  
Case size: φD×L(mm)  
Rated ripple current  
mArms(100kHz, 105°C)

## Part number

16 HEHZ 270 M T

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