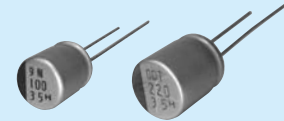


Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

HEH Series

Super Low ESR
High Voltage, Long Life



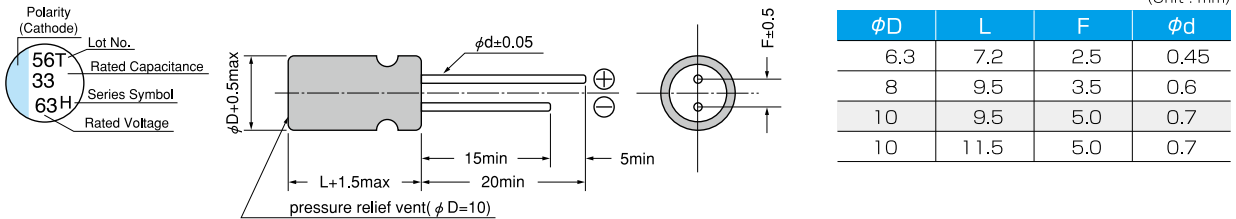
- 105°C 4,000 to 10,000hours
- Laminated case
- Solvent proof (within 2 minutes)

HET (On the web)
↑ 135°C
HEP (On the web)
↑ 125°C
HEH

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 +105									
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	105°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 4,000hours, D≥φ8 : 7,000hours							
			25V _s	φ6.3 : 5,000hours, D≥φ8 : 10,000hours							
		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



Size, ESR, Rated Ripple Current

μF \ V	16		25		35		40	
27							6.3x7.2	70 1250
47					6.3x7.2	60 1300		
56							8x9.5	32 1750
68			6.3x7.2	45 1400				
100					8x9.5	30 1800	10x9.5	24 2400
120	6.3x7.2	40 1500					10x11.5	18 2750
150			8x9.5	27 1900	10x9.5	23 2470		
220					10x11.5	17 2830		
270	8x9.5	26 2000	10x9.5	22 2530				
330			10x11.5	16 2900				
470	10x9.5	21 2600						
560	10x11.5	15 3000						

μF \ V	50		63		80		100	
10			6.3x7.2	100 1060			10x9.5	80 1450
12					10x9.5	70 1600	10x9.5	80 1450
15	6.3x7.2	80 1200			10x9.5	70 1600	10x11.5	60 1660
18					10x11.5	50 1830		
22			8x9.5	40 1560				
33			8x9.5 ★	40 1560				
			10x9.5	30 2100				
47			10x9.5	30 2100				
56	10x9.5	25 2320	10x11.5	22 2400				
82	10x11.5	19 2650						

Please refer to page 20 for ripple current frequency coefficients.
★S type

Rated ripple current
mA Arms (100kHz, 105°C)

Case size: φDxL (mm)
ESR (mΩ) max at 100kHz, 20°C

Part number

