

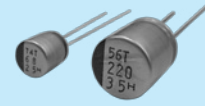
Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

HEH Series

105°C

High Voltage, Long Life

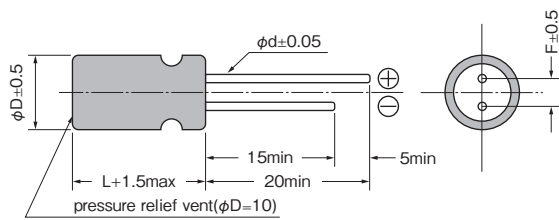
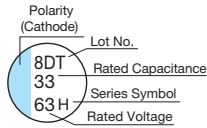


- 105°C 4,000 to 10,000hours ● Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

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)	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	16V	φ6.3 : 4,000hours, D≥φ8 : 7,000hours						
			25V≤	φ6.3 : 5,000hours, D≥φ8 : 10,000hours						
		△C/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



(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 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		
47	8x9.5 35 1670	10x9.5 30 2100		
56	10x9.5 25 2320	10x9.5 30 2100		
82	10x11.5 19 2650	10x11.5 22 2400		

Please refer to page 17 for ripple current frequency coefficients.

★S type

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

ESR(mΩ) max at 100kHz, 20°C

Part number

