

Hybrid Conductive Polymer Type / Radial Lead Type

RoHS compliance

# HEPF Series

125°C Long Life

High Capacitance



- 125°C 4,000hours
- Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

HEPF

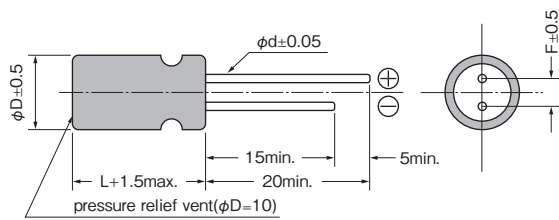
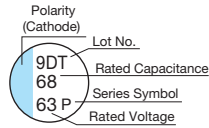
↑ 125°C

HEHF (P.35)

## Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	25	35	50	63	80	100
Surge voltage (V)	Room temperature	32	44	63	79	100	125
Category temperature range (°C)	—	-55 to +125					
Capacitance tolerance (%)	120Hz/20°C	M : ±20					
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08	0.08
Leakage current (LC)	μA/after 2minutes (max.)	The greater value of either 0.05CV or 100					
Endurance	125°C, 4,000hours rated voltage applied (With the rated ripple current)	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



(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	25	35	50	63	80	100
10						8×9.5 60 900
15				6.3×7.2 80 900		10×9.5 45 1120
18						10×11.5 40 1220
22				6.3×7.2 80 900	8×9.5 45 1030	
27					8×9.5 45 1030	
33			6.3×7.2 40 1100	8×9.5 40 1100	10×9.5 36 1270	
39					10×11.5 32 1360	
47				8×9.5 40 1100	10×9.5 36 1270	
56				10×9.5 30 1400	10×11.5 32 1360	
68		6.3×7.2 35 1400	8×9.5 30 1250	10×11.5 22 1650		
82				10×9.5 30 1400		
100	6.3×7.2 30 1400			10×11.5 22 1650		
120			10×9.5 28 1600			
150		8×9.5 27 1600	10×11.5 19 1820			
220	8×9.5 27 1600					
270		10×9.5 20 2000				
330	10×9.5 20 2000	10×11.5 17 2260				
470	10×11.5 16 2260					

Please refer to page 17 for ripple current frequency coefficients.

Case size: φD×L(mm)

ESR(mΩ)  
max. at 100kHz, 20°C

Rated ripple current  
mArms(100kHz, 125°C)

## Part number

