

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVPF Series

125°C

High Capacitance

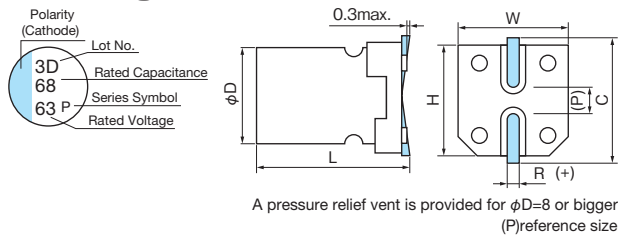


- 125°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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.), 20°C	The greater value of either 0.01CV					
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				
Shelf Life	125°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.					

Marking, Dimensions



(Unit : mm)

D ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

μF	V	25	35	50	63	80	100
10					5x6.0 ★120, 500 6.3x6.0 120, 700		8x10.5 60, 900
15					6.3x6.0 ★120, 700 6.3x7.7 80, 900		10x10.5 45, 1120
18							10x12.5 40, 1220
22			5x6.0 100, 550	6.3x6.0 80, 750	6.3x7.7 80, 900	8x10.5 45, 1030	
27						8x10.5 45, 1030	
33	5x6.0 80, 550			6.3x7.7 40, 1100	8x10.5 40, 1100	10x10.5 36, 1270	
39						10x12.5 32, 1360	
47			6.3x6.0 60, 900		8x10.5 40, 1100	10x10.5 36, 1270	
56	6.3x6.0 50, 900				10x10.5 30, 1400	10x12.5 32, 1360	
68			6.3x7.7 35, 1400	8x10.5 30, 1250	10x12.5 22, 1650		
82					10x10.5 30, 1400		
100	6.3x7.7 30, 1400			10x10.5 28, 1600	10x12.5 22, 1650		
120				10x10.5 28, 1600			
150			8x10.5 27, 1600	10x12.5 19, 1820			
220	8x10.5 27, 1600						
270			10x10.5 20, 2000				
330	10x10.5 20, 2000		10x12.5 17, 2260				
470	10x12.5 16, 2260						

Please refer to page 18 for ripple current frequency coefficients.
★ S type

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

Rated ripple current
mA_{rms}(100kHz, 125°C)

Part number

