

HVPF Series

125°C Long Life

High Capacitance

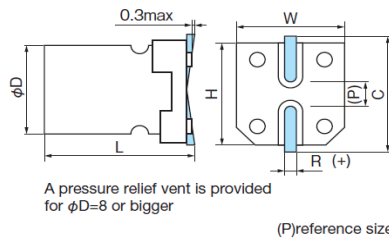
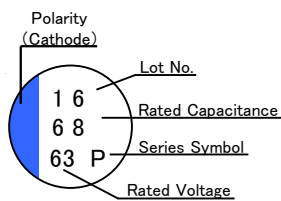
- 125°C 4,000hours
- Solvent proof(within 2 minutes)
- AEC-Q200



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)	tan δ (max.) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08	0.08
Leakage current (LC)	μ A/after 2 minutes (max.)	The greater value of either 0.01CV					
Endurance	125°C, 4,000hours rated voltage applied (With the rated ripple current)	Δ C/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



(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				5 × 6.0 ★ 120: 500		
				6.3 × 6.0 120: 700		8 × 10.5 60: 900
15				6.3 × 6.0 ★ 120: 700		10 × 10.5 45: 1120
				6.3 × 7.7 80: 900		
18						10 × 12.5 40: 1220
22		5 × 6.0 100: 550	6.3 × 6.0 80: 750	6.3 × 7.7 80: 900	8 × 10.5 45: 1030	
27					8 × 10.5 45: 1030	
33	5 × 6.0 80: 550		6.3 × 7.7 40: 1100	8 × 10.5 40: 1100	10 × 10.5 36: 1270	
39					10 × 12.5 32: 1360	
47		6.3 × 6.0 60: 900		8 × 10.5 40: 1100	10 × 10.5 36: 1270	
56	6.3 × 6.0 50: 900			10 × 10.5 30: 1400	10 × 12.5 32: 1360	
68		6.3 × 7.7 35: 1400	8 × 10.5 30: 1250	10 × 12.5 22: 1650		
82				10 × 10.5 30: 1400		
100	6.3 × 7.7 30: 1400			10 × 12.5 22: 1650		
120			10 × 10.5 28: 1600			
150		8 × 10.5 27: 1600	10 × 12.5 19: 1820			
220	8 × 10.5 27: 1600					
270		10 × 10.5 20: 2000				
330	10 × 10.5 20: 2000	10 × 12.5 17: 2260				
470	10 × 12.5 16: 2260					

★ S type

Case size: φ D × L (mm)

ESR (mΩ)max at 100kHz, 20°C

Rated ripple current
mA Arms (100kHz, 125°C)

Part number

