

# HVPF Series

125°C

High Capacitance

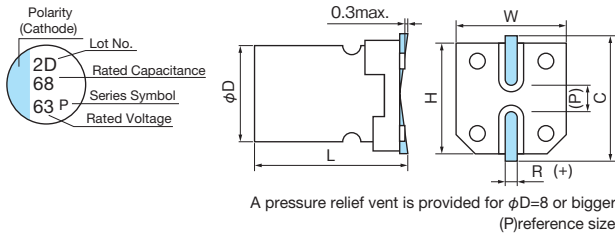


- 125°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

### 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				

### Marking, Dimensions



(Unit : mm)

D <sup>+0.5</sup>	L <sup>+0.3</sup>	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	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			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  
mAmps(100kHz, 125°C)

### Part number

