

HVPZ·HVP Series

(16V to 35V) (50V to 125V)

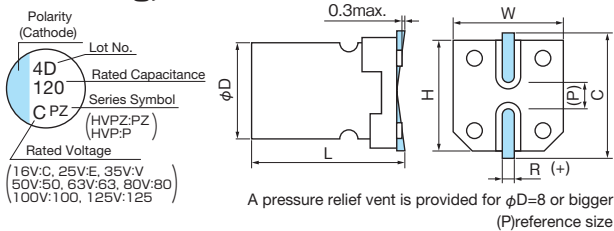
125°C

- 125°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	16	25	35	50	63	80	100	125
Surge voltage (V)	Room temperature	20	32	44	63	79	100	125	157
Category temperature range (°C)	—	-55 to +125							
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.) (20°C)	≤ 63V	0.01CV						
		80V ≤	The greater value of either 0.05CV or 100						
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 2,000hours, φ8-φ10 : 2,500hours					
			25V≤	φ6.3 : 2,000hours, φ8-φ10 : 3,000hours					
		ΔC/C	Within ±30% of the initial value						
		tanδ	Not more than 200% of the specified value						
		ESR	Not more than 200% of the specified value						
		LC	Not more 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



Size, ESR, Rated Ripple Current

Series	HVPZ						HVP		
μF	16	25	35	50	63	80	100	125	
10					6.3×6.0	★	120	690	
15					6.3×7.7		80	840	
27			6.3×6.0	50	1070				
33						8×10.5	35	1170	
47		6.3×6.0	40	1260	6.3×7.7	45	1280		
56								10×10.5	25
68		6.3×7.7	35	1380					
82	6.3×6.0	38	1320					10×12.5	19
100					8×10.5	28	1780		
120	6.3×7.7	32	1440						
150			8×10.5	25	1880	10×10.5	20	2440	
220						10×12.5	15	2800	
270	8×10.5	23	1970	10×10.5	19	2500			
330			10×12.5	14	2890				
470	10×10.5	18	2620						
560	10×12.5	14	3030						

Series	HVP						HVP		
μF	63	80	100	125	150	180	200	250	300
6.8	6.3×6.0	150	670						
10	6.3×7.7	100	740						
12			10×10.5	70	900	10×10.5	80	870	10×10.5
15			10×10.5	70	900	10×12.5	60	1000	
18			10×12.5	50	1100				
22	8×10.5	40	1090						
33	8×10.5 ★	40	1090						
47	10×10.5	30	1260						
56	10×12.5	22	1440						

Please refer to page 20 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C

Case size: φD×L(mm)

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

Part number

