

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

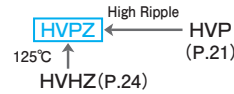
# HVPZ Series

125°C

High Ripple Current



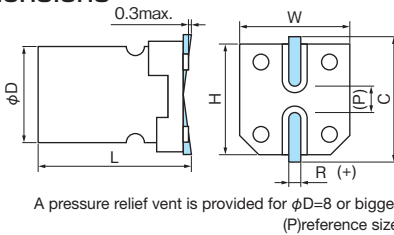
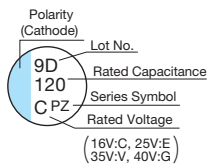
- 125°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



## Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	16	25	35	40	
Surge voltage (V)	Room temperature	20	32	44	50	
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.)	The greater value of either 0.01CV				
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 2,000hours, D <sub>≥</sub> φ8 : 2,500hours		
			25V <sub>≤</sub>	φ6.3 : 2,000hours, D <sub>≥</sub> φ8 : 3,000hours		
		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



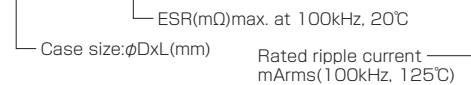
(Unit : mm)

D <sub>±0.5</sub>	L <sub>±0.3</sub>	W <sub>±0.2</sub>	H <sub>±0.2</sub>	C <sub>±0.2</sub>	R	P
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

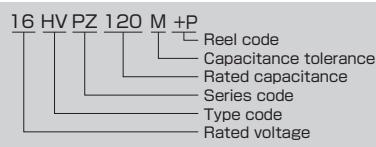
## Size, ESR, Rated Ripple Current

μF	16		25		35		40				
	Case size	ESR	Case size	ESR	Case size	ESR	Case size	ESR			
18							6.3x6.0	55	1050		
27					6.3x6.0	50	1070	6.3x7.7	48	1230	
47			6.3x6.0	40	1260	6.3x7.7	45	1280			
56							8x10.5	30	1710		
68			6.3x7.7	35	1380						
82	6.3x6.0	38	1320								
100						8x10.5	28	1780	10x10.5	21	2360
120	6.3x7.7	32	1440					10x12.5	16	2700	
150			8x10.5	25	1880	10x10.5	20	2440			
220						10x12.5	15	2800			
270	8x10.5	23	1970	10x10.5	19	2500					
330			10x12.5	14	2890						
470	10x10.5	18	2620								
560	10x12.5	14	3030								

Please refer to page 17 for ripple current frequency coefficients.



## Part number



Soldering Condition  
Reflow Soldering Condition  
Ripple Current Frequency Coefficient

- HVA
- HVBF
- HVH
- HVP
- HVT
- HVJ

- HVHZ
- HVPZ

- HVHF
- HVPF
- HVPX
- HVTX

- HVPY **NEW**
- HVTY **NEW**

- HVPC
- HEHZ
- HEPZ
- HEHF
- HEPF