

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

Aluminum Electrolytic  
Capacitors with Hybrid  
Conductive Polymer

# HVPZ Series

125°C  
High Ripple Current



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



## 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 or 3				
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 2,000hours, D≥φ8 : 2,500hours		
			25V <sub>≤</sub>	φ6.3 : 2,000hours, D≥φ8 : 3,000hours		
		ΔC/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			

Basic Construction  
Features  
Characteristics

Advantages of EP-cap

Soldering Condition  
Reflow Soldering  
Condition  
Ripple Current Frequency  
Coefficient

HVA

HVBF

HVH

HVP

HVT

HVJ

HVHZ

**HVPZ**

HVHF

HVPF

HVPX

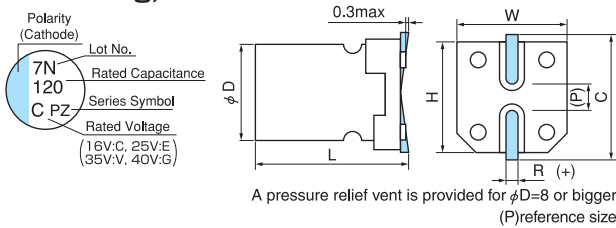
HVPC

HEH

HEHZ

HEPZ

## Marking, Dimensions



(Unit : mm)

D <sup>+0.5max</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	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

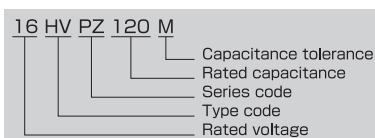
## Size, ESR, Rated Ripple Current

μF \ V	16		25		35		40	
18							6.3×6.0	55   1050
27					6.3×6.0	50   1070	6.3×7.7	48   1230
47			6.3×6.0	40   1260	6.3×7.7	45   1280		
56							8×10.5	30   1710
68			6.3×7.7	35   1380				
82	6.3×6.0	38   1320						
100					8×10.5	28   1780	10×10.5	21   2360
120	6.3×7.7	32   1440					10×12.5	16   2700
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						

Please refer to page 19 for ripple current frequency coefficients.

ESR(mΩ) max at 100kHz, 20°C      Case size: φD×L(mm)      Rated ripple current mArms(100kHz, 125°C)

## Part number



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