

Hybrid Conductive Polymer Type / Surface Mount Type

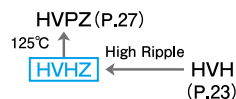
RoHS compliance

# HVHZ Series

105°C High Ripple Current



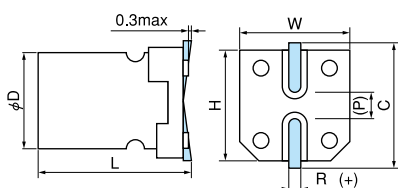
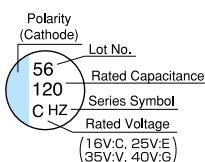
- 105°C, 2,000 to 5,000hours
- Solvent proof (within 2 minutes)



## 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 +105			
Capacitance tolerance (%)	120Hz/20°C	M : ±20			
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.16			
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3			
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 2,000hours, D≥φ8 : 5,000hours		
		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		

## Marking, Dimensions



A pressure relief vent is provided for φD=8 or bigger (P)reference size

(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				
		Case size	ESR	Case size	ESR	Case size	ESR	Case size	ESR			
18								6.3×6.0	55	1510		
27						6.3×6.0	50	1530	6.3×7.7	48	1770	
47				6.3×6.0	40	1800	6.3×7.7	45	1840			
56									8×10.5	30	2450	
68				6.3×7.7	35	1980						
82	6.3×6.0	38	1890									
100							8×10.5	28	2550	10×10.5	21	3380
120	6.3×7.7	32	2070							10×12.5	16	3870
150				8×10.5	25	2690	10×10.5	20	3490			
220							10×12.5	15	4000			
270	8×10.5	23	2820	10×10.5	19	3580						
330				10×12.5	14	4140						
470	10×10.5	18	3750									
560	10×12.5	14	4340									

Please refer to page 20 for ripple current frequency coefficients.

ESR(mΩ)  
max at 100kHz, 20°C

Case size: φDxL(mm)

Rated ripple current  
mA<sub>rms</sub>(100kHz, 105°C)

## Part number

