

Hybrid Conductive Polymer Type / Surface Mount Type RoHS2 compliance

# HVPX Series

125°C  
High Ripple Current

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



### Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	50	63	80
Surge voltage (V)	Room temperature	63	79	100
Category temperature range (°C)	—	-55 to +125		
Capacitance tolerance (%)	120Hz/20°C	M:±20		
Dissipation Factor(tanδ)	tanδ (max) 120Hz/20°C	0.10	0.08	0.08
Leakage current(LC)	μ A/after 2minutes (max)	0.01CV		
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	4,000hours	
		Δ C/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 ±0.5	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R	P
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

A pressure relief vent is attached to products over φD=8

### Size, ESR, Rated Ripple Current

μ F \ V	50		63		80		
	22					8 × 10.5	45
33					10 × 10.5	36	2550
39					10 × 12.5	32	3000
47			8 × 10.5	40	2100		
68	8 × 10.5	30	2300				
82				10 × 10.5	30	2600	
100				10 × 12.5	22	3400	
120	10 × 10.5	28	2700				
150	10 × 12.5	19	3500				

Case size:φ DxL(mm)

ESR(mΩ)  
max at 100kHz, 20°C

Rated ripple current  
mA<sub>rms</sub> (100kHz, 125°C)

### Model No.

