

## HVP Series

125°C Super Low ESR

High Voltage, High Reliability



- 125°C, 1500 to 3000hrs.
- Solvent proof (within 2 minutes)

### Specifications

Items		Specifications			
Rated voltage (V)		25	35	50	63
Surge voltage (V)		32	44	63	79
Category temperature range (°C)		-55 to +125			
Capacitance tolerance (%)		±20 (120Hz/20°C)			
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)		0.16			
Leakage current (L.C.) (μA/after 2min.) (MAX.)*		The greater value of either 0.05CV or 100			
Temperature characteristics	Z <sub>-55°C</sub> /Z <sub>20°C</sub>	1 to 2.5			
Impedance ratio at 120Hz	Z <sub>125°C</sub> /Z <sub>20°C</sub>	0.6 to 1.0			
Endurance 125°C rated voltage applied (With the rated ripple current)	Test	φ8 to φ10 ; 3000hrs. (25V ; 2500hrs.) ; φ6.3 ; 2000hrs. (25V ; 1500hrs.)			
	ΔC/C	Within ±30% of the initial value			
	tanδ	≤ Twice the initial specified value			
	ESR	≤ Twice the initial specified value			
	L.C.	≤ The initial specified value			

\* ; In case of some problems for measured values, measure after voltage treatment.  
Voltage treatment ; Applying rated voltage for 120 minutes at 125°C.

### 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 <sup>±0.2</sup>
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	1.1 to 1.4	4.6

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

### Size List, E.S.R., Rated Ripple Current

μF \ V	25		35		50		63	
	3.9							6.3 x 7.7
10					6.3 x 7.7	80 840		
22							8 x 10.5	40 1090
33					8 x 10.5	35 1170	10 x 10.5	30 1260
47			6.3 x 7.7	60 910				
56					10 x 10.5	25 1390		
68	6.3 x 7.7	45 980						
100			8 x 10.5	30 1260				
150	8 x 10.5	27 1330	10 x 10.5	23 1480				
270	10 x 10.5	22 1520						

Case size ; φD x L (mm)

E.S.R. (mΩ)  
MAX. at 100kHz, 20°C

Rated ripple current  
mAr.m.s. (100kHz, 125°C)

Model No.

