

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVP Series

125°C Super Low ESR

High Voltage, High Reliability



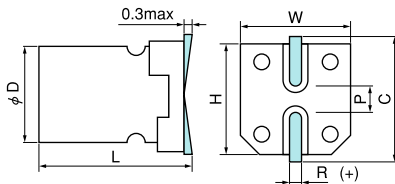
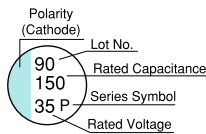
80V, 100V **NEW**

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

■ Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	25	35	50	63	80	100
Surge voltage (V)	Room temperature	32	44	63	79	100	125
Category temperature range (°C)	—	-55 to +125					
Capacitance tolerance (%)	120Hz/20°C	M : ±20					
Dissipation Factor (tan δ)	120Hz/20°C	0.16					
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.05CV or 100					
Temperature characteristics Impedance ratio	Based the value at 120Hz, +20°C	-55°C Z/Z _{20°C}	1 to 2.5				
		125°C Z/Z _{20°C}	0.6 to 1.0				
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 2,000hrs., D≥φ8 : 3,000hrs.				
		ΔC/C	Within ±30% of the initial value				
		tan δ	≤ 2 times the initial specified value				
		ESR	≤ 2 times the initial specified value				
		LC	≤ The initial specified value				

■ Marking, Dimensions



A pressure relief vent is attached to products over φ D=8

(Unit : mm)

D ^{+0.5max}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
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

■ Size List, ESR, Rated Ripple Current

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

μF \ V	63			80			100		
3.9	6.3×7.7	100	740						
10							10×10.5	80	870
12				10×10.5	70	900			
22	8×10.5	40	1090						
33	10×10.5	30	1260						

Please refer to page 18 for the ripple current frequency coefficient.

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

■ Model No.

