

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

**HVH** Series

Super Low ESR  
High Voltage, Long Life



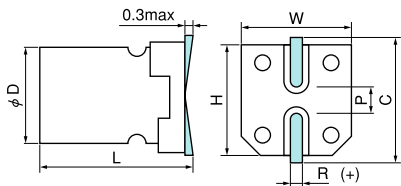
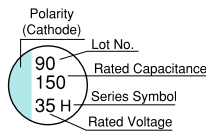
- 105°C, 5,000 to 10,000hrs.
- Solvent proof (within 2 minutes)

**80V, 100V** **NEW**

■ Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	25	35	40	50	63	80	100
Surge voltage (V)	Room temperature	32	44	50	63	79	100	125
Category temperature range (°C)	—	-55 to +105						
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 <sub>20°C</sub>	1 to 2.5					
		105°C Z/Z <sub>20°C</sub>	0.6 to 1.0					
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 5,000hrs., D≥φ8 : 10,000hrs.					
		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 <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	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

■ Size List, ESR, Rated Ripple Current

μF \ V	25			35			40			50		
5.6										6.3x6.0	120	980
10										6.3x7.7	80	1200
18							6.3x6.0	110	1030			
27				6.3x6.0	100	1080	6.3x7.7	70	1250			
33										8x10.5	35	1670
47	6.3x6.0	60	1270	6.3x7.7	60	1300						
56							8x10.5	32	1750	10x10.5	25	2320
68	6.3x7.7	45	1400									
100				8x10.5	30	1800	10x10.5	24	2400			
150	8x10.5	27	1900	10x10.5	23	2470						
270	10x10.5	22	2530									

μF \ V	63			80			100		
2.7	6.3x6.0	150	960						
3.9	6.3x7.7	100	1060						
10							10x10.5	80	1450
12				10x10.5	70	1600			
22	8x10.5	40	1560						
33	10x10.5	30	2100						

Case size: φDxL (mm)

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

Rated ripple current  
mArms(100kHz, 105°C)  
ESR(mΩ)  
max at 100kHz, 20°C

■ Model No.

