

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

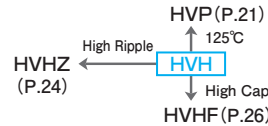
HVH Series

105°C

High Voltage, Long Life



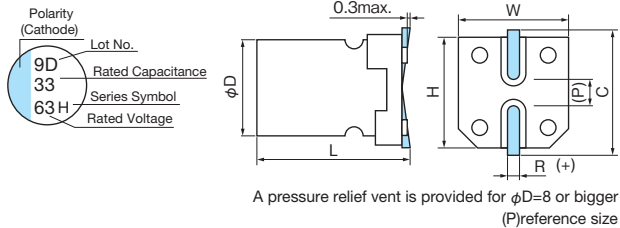
- 105°C 4,000 to 10,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



Specifications

Items	Condition	Specifications									
Rated voltage (V)	—	16	25	35	40	50	63	80	100	125	
Surge voltage (V)	Room temperature	20	32	44	50	63	79	100	125	157	
Category temperature range (°C)	—	-55 to +105									
Capacitance tolerance (%)	120Hz/20°C	M : ±20									
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.16									
Leakage current (LC)	μA/after 2minutes (max.)	≤ 63V	The greater value of either 0.01CV								
		80V ≤	The greater value of either 0.05CV or 100								
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 4,000hours, D≥φ8 : 7,000hours							
			25V≤	φ6.3 : 5,000hours, D≥φ8 : 10,000hours							
		ΔC/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
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		50		
		10									6.3×6.0	120
15										6.3×7.7	80	1200
18										6.3×7.7	80	1200
27						6.3×6.0	100	1080	6.3×6.0	110	1030	
33						6.3×7.7	60	1300	6.3×7.7	70	1250	
47				6.3×6.0	60	1270	6.3×7.7	60	1300			
56				6.3×7.7	45	1400			8×10.5	32	1750	
68				6.3×7.7	45	1400			8×10.5	32	1750	
82	6.3×6.0	55	1380									
100							8×10.5	30	1800	10×10.5	24	2400
120	6.3×7.7	40	1500						10×12.5	18	2750	
150				8×10.5	27	1900	10×10.5	23	2470			
220							10×12.5	17	2830			
270	8×10.5	26	2000	10×10.5	22	2530						
330				10×12.5	16	2900						
470	10×10.5	21	2600									
560	10×12.5	15	3000									

μF	V	63		80		100		125			
		6.8	6.3×6.0	150	960						
10	6.3×7.7	100	1060			10×10.5	80	1450	10×10.5	90	1250
12				10×10.5	70	1600	10×10.5	80	1450		
15				10×10.5	70	1600	10×12.5	60	1660		
18				10×12.5	50	1830					
22	8×10.5	40	1560								
33	8×10.5	40	1560								
	10×10.5	30	2100								
47	10×10.5	30	2100								
56	10×12.5	22	2400								

Please refer to page 17 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C

Case size: φD×L(mm)

Rated ripple current
mA rms (100kHz, 105°C)

Part number

