

HVH Series

105°C Long Life

High Voltage

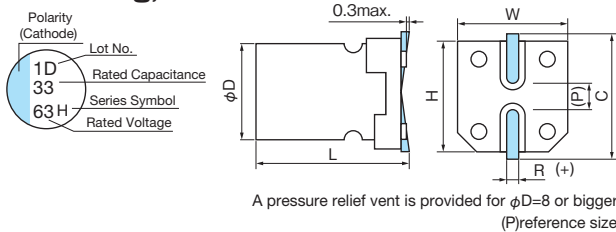


- 105°C 4,000 to 10,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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.) (20°C)	≤ 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								
		△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



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, 980 6.3×7.7 80, 1200 6.3×7.7 80, 1200
15					
18				6.3×6.0 110, 1030	
27			6.3×6.0 100, 1080	6.3×7.7 70, 1250	
33					8×10.5 35, 1670
47		6.3×6.0 60, 1270	6.3×7.7 60, 1300		
56				8×10.5 32, 1750	10×10.5 25, 2320
68		6.3×7.7 45, 1400			
82	6.3×6.0 55, 1380				10×12.5 19, 2650
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			
12		10×10.5 70, 1600	10×10.5 80, 1450	10×10.5 90, 1250
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 18 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C

Case size: φDxL(mm)

Rated ripple current mArms(100kHz, 105°C)

Part number

