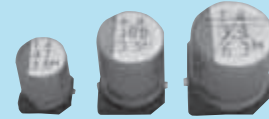


**HVH** Series

Super Low ESR

High Voltage, Long Life

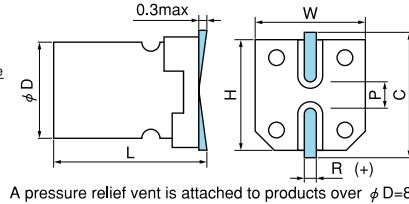
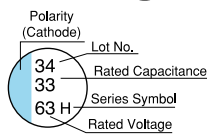


- 105°C, 2,000 to 10,000hrs.
- Solvent proof (within 2 minutes)

## 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)	120Hz/20°C	0.16									
Leakage current (LC)	μA/after 2minutes (max)	≤ 63V		The greater value of either 0.01CV or 3							
		80V ≤		The greater value of either 0.05CV or 100							
		Test	16V	φ6.3 : 3,000hrs., D≥φ8 : 7,000hrs.							
			25V≤	φ6.3×4.5 : 2,000hrs., φ6.3×6.0, φ6.3×7.7 : 5,000hrs., D≥φ8 : 10,000hrs.							
		ΔC/C		Within ±30% of the initial value							
		tan δ		≤ 2 times the initial specified value							
Endurance	105°C rated voltage applied (With the rated ripple current)	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	4.5	6.6	6.6	7.3	0.5 to 0.8	2.2
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 List, ESR, Rated Ripple Current

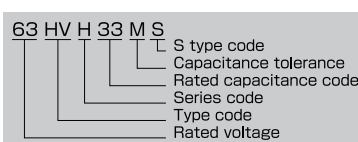
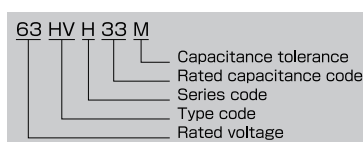
μF	V	16	25	35	40	50
10						6.3×6.0 ★ 120 980
12				6.3×4.5 150 640		
15						6.3×7.7 80 1200
18					6.3×6.0 110 1030	
27		6.3×4.5 95 800		6.3×6.0 100 1080	6.3×7.7 70 1250	
33						8×10.5 35 1670
47		6.3×6.0 60 1270		6.3×7.7 60 1300		
56					8×10.5 32 1750	10×10.5 25 2320
68		6.3×7.7 45 1400				
82	6.3×6.0 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			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 20 for the ripple current frequency coefficient.

★ S type

■ Model No.



Case size: φD×L(mm)

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