

HVH Series

Super Low ESR

High Voltage, Long Life



- 105°C, 5000 to 10000hrs.
- Solvent proof (within 2 minutes)

Specifications

Items	Specifications			
Rated voltage (V)	25	35	50	63
Surge voltage (V)	32	44	63	79
Category temperature range (°C)	-55 to +105			
Capacitance tolerance (%)	±20			(120Hz/20°C)
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)	0.16			
Leakage current (L.C.) (μA/after 2min.) (MAX.)*	The greater value of either 0.05CV or 100			
Temperature characteristics	Z _{-55°C} /Z _{20°C}	1 to 2.5		
Impedance ratio at 120Hz	Z _{105°C} /Z _{20°C}	0.6 to 1.0		
Endurance 105°C rated voltage applied (With the rated ripple current)	Test	φ8 to φ10 ; 10000hrs. (25V ; 7000hrs.), φ6.3 ; 5000hrs.		
	ΔC/C	Within ±30% of the initial value		
	tanδ	≤ Twice the initial specified value		
	ESR	≤ Twice the initial specified value		
	L.C.	≤ The initial specified value		

* ; In case of some problems for measured values, measure after voltage treatment.
Voltage treatment ; Applying rated voltage for 120 minutes at 105°C.

Marking, Dimensions

(Unit : mm)

D ^{+0.5MAX.}	L ^{+0.3}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P ^{+0.2}
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	1.1 to 1.4	4.6

A pressure relief vent is attached to products over φD=8

Size List, E.S.R., Rated Ripple Current

μF \ V	25		35		50		63	
2.7							6.3 x 6.0	150 960
3.9							6.3 x 7.7	100 1060
5.6					6.3 x 6.0	120 980		
10					6.3 x 7.7	80 1200		
22							8 x 10.5	40 1560
27			6.3 x 6.0	100 1080				
33					8 x 10.5	35 1670	10 x 10.5	30 2100
47	6.3 x 6.0	60 1270	6.3 x 7.7	60 1300				
56	6.3 x 7.7	45 1400			10 x 10.5	25 2320		
68								
100			8 x 10.5	30 1800				
150	8 x 10.5	27 1900	10 x 10.5	23 2470				
270	10 x 10.5	22 2530						

Case size ; φD x L (mm)

E.S.R. (mΩ)
MAX. at 100kHz, 20°C

Rated ripple current
mAr.m.s. (100kHz, 105°C)

Model No.

