

HVHZ • HVH Series

(16V to 35V) (50V to 125V)

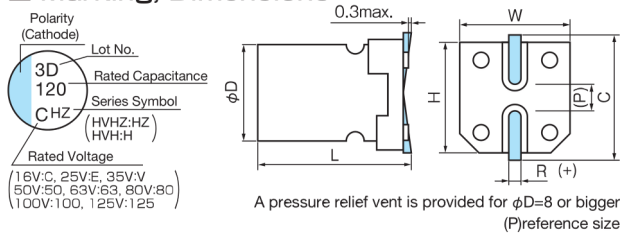
105°C Long Life

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

Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	16	25	35	50	63	80	100	125
Surge voltage (V)	Room temperature	20	32	44	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	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						
Shelf Life	105°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4.4.1.							

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

Series	HVHZ						HVH		
μF \ V	16	25	35	50	63	80	100	125	
10				6.3×6.0 ★	120	980			
15				6.3×7.7	80	1200			
27			6.3×6.0	50	1530				
33						8×10.5	35	1670	
47		6.3×6.0	40	1800	6.3×7.7	45	1840		
56								10×10.5	25
68		6.3×7.7	35	1980					2320
82	6.3×6.0	38	1890					10×12.5	19
100					8×10.5	28	2550		2650
120	6.3×7.7	32	2070						
150			8×10.5	25	2690	10×10.5	20	3490	
220						10×12.5	15	4000	
270	8×10.5	23	2820	10×10.5	19	3580			
330			10×12.5	14	4140				
470	10×10.5	18	3750						
560	10×12.5	14	4340						

Series	HVH								
μF \ V	63	80	100	125	150	160	180	200	
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
15			10×10.5	70	1600	10×12.5	60	1660	90
18			10×12.5	50	1830				
22	8×10.5	40	1560						
33	8×10.5 ★	40	1560						
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
mA Arms(100kHz, 105°C)

Part number

