

# HVHZ • HVH Series

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

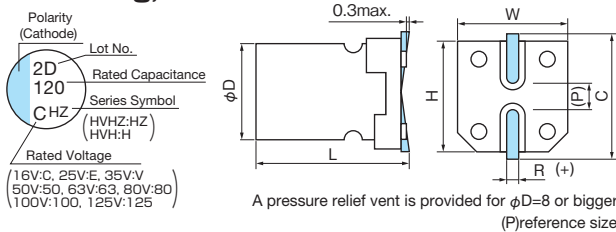
105°C Long Life

- 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)	0.01CV							
Endurance	105°C rated voltage applied (With the rated ripple current)	≤ 63V	The greater value of either 0.05CV or 100						
		80V ≤	The greater value of either 0.05CV or 100						
		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 <sup>±0.5</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	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				
	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	2320		
68			6.3×7.7	35	1980								
82	6.3×6.0	38	1890						10×12.5	19	2650		
100								8×10.5	28	2550			
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												
	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 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

