

HVA Series

Super Low ESR



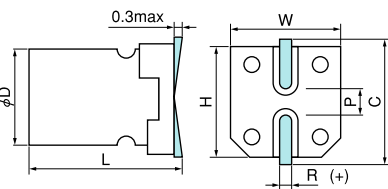
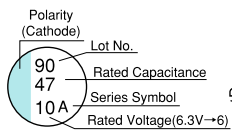
- 105°C, 3,000 to 5,000hrs.
- Solvent proof (within 2 minutes)

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	6.3	10	16
Surge voltage (V)	Room temperature	8.0	13	20
Category temperature range (°C)	—	-55 to +105		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	120Hz/20°C	0.18	0.16	0.14
Leakage current (LC) ★	μA/after 2minutes (max)	The greater value of either 0.2CV or 100		
Temperature characteristics Impedance ratio	Based the value at 120Hz, +20°C	-55°C Z/Z _{20°C}	1 to 2.5	
		105°C Z/Z _{20°C}	0.6 to 1.0	
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 ; 3,000 hrs., D≥φ8 ; 5,000 hrs.	
		ΔC/C	Within ±30% of the initial value	
		tan δ	≤ 2 times the initial specified value	
		ESR	≤ 2 times the initial specified value	
		LC	≤ The initial specified value	

★In case of some problems for measured values, measure after 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	1.0 to 1.4	4.6

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

Size List, ESR, Rated Ripple Current

μF	6.3			10			16		
10							6.3×6.0	54	1130
22							6.3×6.0	54	1130
33				6.3×6.0	40	1510	6.3×6.0	54	1130
47				6.3×6.0	40	1510	6.3×7.7 ★	45	1480
							8×10.5	22	2290
68				6.3×6.0	40	1510	8×10.5	22	2290
100	6.3×6.0	36	1630	6.3×7.7 ★	35	1910	8×10.5	22	2290
				8×10.5	18	2800			
150	6.3×6.0	36	1630	8×10.5	18	2800	10×10.5	20	2920
220	6.3×7.7 ★	32	2020	8×10.5	18	2800			
	8×10.5	16	3150						
330	8×10.5	16	3150	8×10.5	18	2800			
470	8×10.5	16	3150	10×10.5	16	3650			
560	8×10.5	16	3150	10×10.5	16	3650			
680	10×10.5	15	3890						
1000	10×10.5	15	3890						

Please refer to page 18 for the ripple current frequency coefficient.

★Add the S at the end of the model number.
Ex.: 10HVA100MS (Size is 6.3x7.7mm)

Rated ripple current
mA Arms (100kHz, 105°C)
ESR (mΩ)
max at 100kHz, 20°C
Case size: φDxL (mm)

Model No.

