

HVB Series

Long Life 125°C

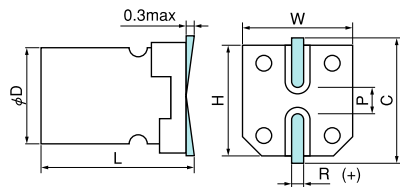
Specifications

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	125°C rated voltage applied (With the rated ripple current)	Test	2,000hrs.	
		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 125°C.

Marking, Dimensions

(Unit : mm)



D ^{+0.5max}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
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

Size List, ESR, Rated Ripple Current

μF \ V	6.3			10			16		
22							8×10.5	22	1380
33							8×10.5	22	1380
47							8×10.5	22	1380
68							8×10.5	22	1380
100				8×10.5	18	1680	10×10.5	19	1850
220				8×10.5	18	1680			
390	8×10.5	17	1780	10×10.5	17	2060			
470	10×10.5	16	2190						
560	10×10.5	16	2190						

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

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

Model No.

