

CV-BE Series

Surface Mount Type Miniature, Super low profile 3.9mm height

CV-BE series is to change height from 4.5mm of CV-BD which is a conventional low profile surface mount type capacitor, to be a lower profile 3.9mm which is the first time in the capacitor industry. Solvent proof (within 2 minutes).

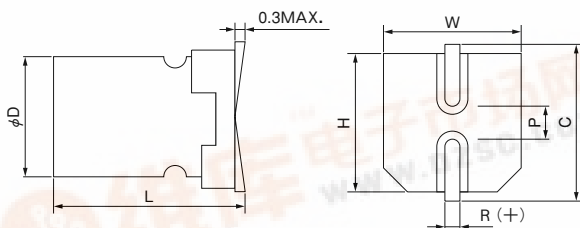


CV-BE ← low profile CV-BD

Specifications

Items		Specifications				
Rated voltage (V)		4	6.3	10	16	25
Operating temperature range (°C)		−40 to +85				
Capacitance tolerance (%)		±20 (120Hz)				
Tangent of loss angle (tan δ) (MAX.) (120Hz)		0.40	0.30	0.24	0.20	0.16
Leakage current (L.C.) (μ A/ after 2min.) (MAX.)		The greater value of either 0.01CV or 3				
Impedance (120Hz) ratio at low temperature (MAX.)	Z −25°C/Z20°C	7	4	3	2	2
	Z −40°C/Z20°C	15	10	8	6	4
High-temperature load 85°C 1000hrs. rated voltage applied	ΔC/C	Within ±25% of the initial value				
	tan δ	≤ Twice the initial standard				
	L.C.	≤ The initial standard				
Resistance to soldering heat	Test	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.				
	ΔC/C	Within ±10% of the initial value				
	tan δ	≤ The initial standard				
	L.C.	≤ The initial standard				
Other characteristics		Conform to IEC 60384-18				

Dimensions



(Unit :mm)

D+0.5MAX.	L ^{+0.1} _{-0.2}	W±0.2	H±0.2	C±0.2	R	P±0.2
5	3.9	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	3.9	6.6	6.6	7.3	0.5 to 0.8	2.2

Size List

μF \ V	4	6.3	10	16	25
10				5×3.9	25
22			5×3.9	6.3×3.9	45
33		5×3.9	6.3×3.9	6.3×3.9	50
47	5×3.9	6.3×3.9	6.3×3.9		
68	6.3×3.9	6.3×3.9			
100	6.3×3.9	70			

Model No.

16CV22BE

φDXL

Ripple current
mA r.m.s.
(120Hz, 85°C)

Capacitance symbol
Rated voltage