

CV-BE Series

Surface Mount Type Miniature,
Super low profile 3.9mm height



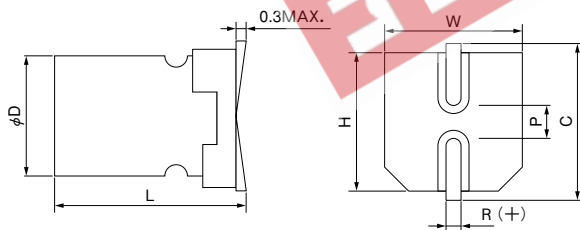
CV-BE series is to change height from 4.5mm of CV-BD which is a conventional low profile surface mount type capacitor, to be a lower profile 3.9mm which is the first time in the capacitor industry. Solvent proof (within 2 minutes).

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.) (μA/after 2min.) (MAX.)	The greater value of either 0.01CV or 3					
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-25°C} /Z _{20°C}	7	4	3	2	2
	Z _{-40°C} /Z _{20°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	5×3.9	30
22						5×3.9	35	6.3×3.9	45	6.3×3.9	50
33				5×3.9	40	6.3×3.9	50	6.3×3.9	50		
47	5×3.9	40		6.3×3.9	50	6.3×3.9	55				
68	6.3×3.9	60		6.3×3.9	60						
100	6.3×3.9	70									

Model No.

16CV22BE

Capacitance symbol
Rated voltage

φDXL

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