

CV-BE Series

Surface Mount Type Miniature,
Super low profile 3.9mm height



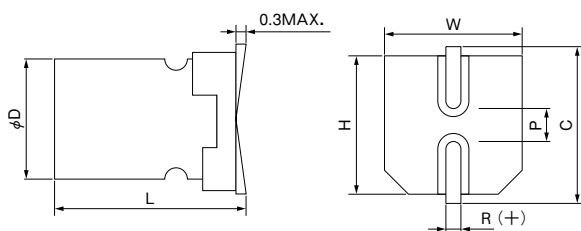
CV-BE series is to change height from 4.5mm of CV-BD which is a conventional low profile surface mount type capacitor, to be a lower profile 3.9mm which is the first time in the capacitor industry. Solvent proof (within 2 minutes).

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 | 5×3.9 |
| 22 | | | 5×3.9 | 5×3.9 | 5×3.9 |
| 33 | | 5×3.9 | 40 | 6.3×3.9 | 6.3×3.9 |
| 47 | 5×3.9 | 40 | 6.3×3.9 | 50 | 6.3×3.9 |
| 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)