

# Murata TZC3R100A110B00 alternative



Chip Trimmer Capacitor with Minus & Cross Slot

Part Number: BCE3Mxx-JB



## FEATURES

- Ultra miniature size with external dimensions of 3.2(W) x 4.5(L) x 1.5(T)mm
- Color coded case permits easy identification
- Very good Q and high resonant frequency
- Designed for reflow soldering
- Lowest capacitance drift
- Sealed construction prevents the penetration of Flux and Dust



SMD Ceramic Trimmer Capacitors 3mm BCE3M series are miniature and ultra-thin type surface mounting devices and are recommended for miniaturization of electronic equipment.

The capacity drift after adjustment is very low and having a very thin dustproof structure, these capacitors are most suited to the fine adjustment of items.

The plastic is a high temperature liquid-crystal polymer with low dielectric loss and good mechanical strength.

## SPECIFICATIONS

| Item                             | Part No | BCE3M03JB              | BCE3M06JB              | BCE3M10JB               | BCE3M20JB               | BCE3M30JB               |
|----------------------------------|---------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|
|                                  |         | 3pF<br>Black           | 6pF<br>Blue            | 10pF<br>Ivory           | 20pF<br>Pink            | 30pF<br>Green           |
| Capacitance(pF Min)              |         | 1.5 MAX                | 2.0 MAX                | 3.0 MAX                 | 5.5 MAX                 | 8.0MAX                  |
| Capacitance(pF Max)              |         | 3.0 <sup>+50</sup> -0% | 6.0 <sup>+50</sup> -0% | 10.0 <sup>+50</sup> -0% | 20.0 <sup>+50</sup> -0% | 29.0 <sup>+50</sup> -0% |
| Capacitance Drift (Max)          |         | ±2%                    | ±2%                    | ±2%                     | ±3%                     | ±3%                     |
| Temperature Coefficient (ppm/°C) |         | NPO±300                | NPO±200                | N600±400                | N900±400                | N1200±400               |
| Q Value (at 1 Mhz, C max)        |         | 300min                 | 500 min                | 700 min                 | 500 min                 | 250 min                 |
| DC Working Voltage               |         | 100 VDC                | 100 VDC                | 100 VDC                 | 100 VDC                 | 100 VDC                 |
| DC Withstanding Voltage          |         | 220 VDC                | 220 VDC                | 220 VDC                 | 220 VDC                 | 220 VDC                 |
| Insulation Resistance            |         | 10 <sup>4</sup> MΩMin  |                        |                         |                         |                         |
| Operating Temperature            |         | -25°C to 85°C          |                        |                         |                         |                         |
| Rotation Torque                  |         | 15 ~ 72 gf.cm          |                        |                         |                         |                         |

## DIMENSIONS (mm)

