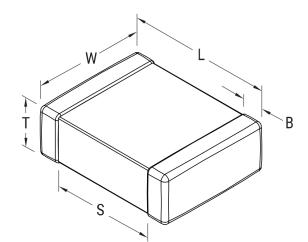


## C0805X100J5GACTU

Aliases (C0805X100J5GAC7800)

SMD Comm COG Flex, Ceramic, 10 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0805



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| Т          | 0.78mm +/-0.20mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 4000                     |

| General Information      |                                 |
|--------------------------|---------------------------------|
| Series                   | SMD Comm COG Flex               |
| Style                    | SMD Chip                        |
| Description              | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features                 | FT-CAP, Ultra-Stable            |
| RoHS                     | Yes                             |
| Termination              | Flexible Termination            |
| Marking                  | No                              |
| AEC-Q200                 | No                              |
| Typical Component Weight | 11 mg                           |
| Shelf Life               | 78 Weeks                        |
| MSL                      | 1                               |

| Specifications  |                              |
|---|------------------------------|
| Capacitance   | 10 pF                        |
| Measurement Condition   | 1 MHz 1.0Vrms                |
| Capacitance Tolerance   | 5%                           |
| Voltage DC  | 50 VDC                       |
| Dielectric Withstanding Voltage                                       | 125 VDC                      |
| Temperature Range   | -55/+125°C                   |
| Temperature Coefficient   | COG                          |
| Capacitance Change with Reference to<br>+25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz<br>1.0Vrms |
| Dissipation Factor  | 0.1% 1 MHz 1.0Vrms           |
| Aging Rate  | 0% Loss/Decade<br>Hour       |
| Insulation Resistance   | 100 GOhms                    |

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