



Click [here](#) for the 3D model.

**General Information**

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

**Dimensions**

|                      |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.3mm     |
| W                    | 1.25mm +/-0.3mm  |
| T                    | 0.78mm +/-0.20mm |
| S                    | 0.6mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |

**Packaging Specifications**

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

**Specifications**

|  |                           |
|--|---------------------------|
| Capacitance  | 180 pF                    |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 5%                        |
| Voltage DC   | 50 VDC                    |
| Dielectric Withstanding Voltage                                    | 125 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms        |
| Aging Rate   | 0% Loss/Decade Hour       |
| Insulation Resistance  | 100 GOhms                 |

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