



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                                          |
| AEC-Q200         | Yes                                               |
| Component Weight | 4.6 mg                                            |
| Shelf Life       | 78 Weeks                                          |
| MSL              | 1                                                 |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0603             |
| L         | 1.6mm +/-0.17mm  |
| W         | 0.8mm +/-0.15mm  |
| T         | 0.8mm +/-0.15mm  |
| S         | 0.58mm MIN       |
| B         | 0.45mm +/-0.15mm |

### Packaging Specifications

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

### Specifications

|                                                                    |                           |
|--------------------------------------------------------------------|---------------------------|
| Capacitance                                                        | 1000 pF                   |
| Measurement Condition                                              | 1 MHz 1.0Vrms             |
| Capacitance Tolerance                                              | 5%                        |
| Voltage DC                                                         | 100 VDC                   |
| Dielectric Withstanding Voltage                                    | 250 VDC                   |
| Temperature Range                                                  | -55/+125°C                |
| Temperature Coefficient                                            | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1MHz 1.0Vrms         |
| Aging Rate                                                         | 0% Loss/Decade Hour       |
| Insulation Resistance                                              | 100 GOhms                 |