



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                                               |
| Typical Component Weight | 14 mg                                             |
| Shelf Life               | 78 Weeks                                          |
| MSL                      | 1                                                 |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| T          | 1.25mm +/-0.15mm |
| S          | 0.6mm MIN        |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 2500                     |

| Specifications                                                     |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 6,800 pF               |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Tolerance                                                          | 5%                     |
| Voltage DC                                                         | 250 VDC                |
| Dielectric Withstanding Voltage                                    | 625 VDC                |
| Temperature Range                                                  | -55/+125°C             |
| Temp. Coefficient                                                  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance                                              | 100 GOhms              |

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