

## C0805X100F5GACAUTO

SMD Auto COG Flex, Ceramic, 10 pF, 1%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 0805, 0.6 mm

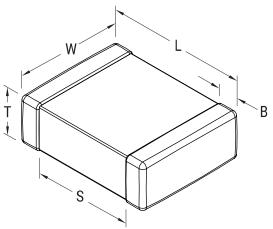
SMD Auto COG Flex

SMD, MLCC, FT-CAP, Ultra-

Stable, Automotive Grade

SMD Chip





| S Click here for the 3D model. | Features                 | FT-CAP, Ultra-Stable,<br>Automotive Grade |
|--------------------------------|--------------------------|---|
|                                | RoHS                     | Yes                                       |
|                                | Termination              | Flexible Termination                      |
|                                | Marking                  | No  |
|                                | Qualifications           | AEC-Q200                                  |
|                                | AEC-Q200                 | Yes                                       |
|                                | Typical Component Weight | 11 mg                                     |
|                                | Shelf Life               | 78 Weeks                                  |
|                                | MSL                      | 1   |

**General Information** 

Series

Style

Description

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| Т          | 0.78mm +/-0.20mm |
| S          | 0.6mm MIN        |
| В          | 0.5mm +/-0.25mm  |

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

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 10 pF                     |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 1%                        |
| Voltage DC   | 50 VDC                    |
| Dielectric Withstanding Voltage  | 125 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>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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