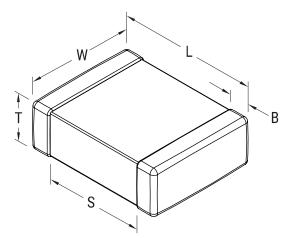


## C0805X330J5GACAUTO

SMD Auto COG Flex, Ceramic, 33 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 0805, 0.6 mm



Click here for the 3D model.

| General Information      |   |
|--------------------------|---|
| Series                   | SMD Auto COG Flex                                     |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, FT-CAP, Ultra-<br>Stable, Automotive Grade |
| 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   |

| 05            |
|---------------|
| m +/-0.3mm    |
| mm +/-0.3mm   |
| 3mm +/-0.20mm |
| mm MIN        |
| mm +/-0.25mm  |
|               |

## **Packaging Specifications**

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

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 33 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<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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