

## C1206X101J5GACAUTO

SMD Auto COG Flex, Ceramic, 100 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 1206, 1.5 mm



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 | 15 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 100 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, 1MHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1206             |
| L         | 3.3mm +/-0.4mm   |
| W         | 1.6mm +/-0.35mm  |
| T         | 0.78mm +/-0.20mm |
| S         | 1.5mm MIN        |
| B         | 0.6mm +/-0.25mm  |

### Packaging Specifications

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

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