

C0805C472F1GECAUTO

ESD SMD Auto COG, Ceramic, 4700 pF, 1%, 100 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0805



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 0805            |
| L          | 2mm +/-0.2mm    |
| W          | 1.25mm +/-0.2mm |
| Т          | 0.9mm +/-0.10mm |
| S          | 0.75mm MIN      |
| В          | 0.5mm +/-0.25mm |
|            |                 |

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 4000

| General Information |  |
|---------------------|--|
| Series              | ESD SMD Auto COG   |
| Style               | SMD Chip   |
| Description         | SMD, MLCC, Temperature Stable, Electro Static<br>Discharge, Automotive Grade |
| Features            | Temperature Stable, Automotive Grade   |
| RoHS                | Yes  |
| Termination         | Tin  |
| Marking             | No   |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Component<br>Weight | 13 mg  |
| Shelf Life          | 78 Weeks   |
| MSL                 | 1  |

| Specifications  |                           |
|---|---------------------------|
| Capacitance   | 4700 pF                   |
| Measurement Condition   | 1 kHz 1.0Vrms             |
| Capacitance Tolerance   | 1%                        |
| Voltage DC  | 100 VDC                   |
| ESD Level per AEC-Q200  | 25,000 V ESD<br>Level     |
| Dielectric Withstanding Voltage                                       | 250 VDC                   |
| Temperature Range   | -55/+125°C                |
| Temperature Coefficient   | COG                       |
| Capacitance Change with Reference to +25°C<br>and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz<br>1.0Vrms |
| Dissipation Factor  | 0.1% 1 kHz 1.0Vrms        |
| Aging Rate  | 0% Loss/Decade<br>Hour    |
| Insulation Resistance   | 100 GOhms                 |

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