

C1825C472JDGACAUTO

SMD Auto COG HV, Ceramic, 4700 pF, 5%, 1000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 1825



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1825            |
| L          | 4.5mm +/-0.3mm  |
| W          | 6.4mm +/-0.4mm  |
| Т          | 1.6mm +/-0.20mm |
| В          | 0.6mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 1000                     |

| General Information |   |
|---------------------|---|
| Series              | SMD Auto COG HV   |
| Style               | SMD Chip  |
| Description         | SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade |
| Features            | Ultra-Stable, Low Loss, Automotive Grade                          |
| RoHS                | Yes   |
| Termination         | Tin   |
| Marking             | No  |
| Qualifications      | AEC-Q200  |
| AEC-Q200            | Yes   |
| Component<br>Weight | 230 mg  |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications  |                           |
|---|---------------------------|
| Capacitance   | 4700 pF                   |
| Measurement Condition   | 1 kHz 1.0Vrms             |
| Capacitance Tolerance   | 5%                        |
| Voltage DC  | 1000 VDC                  |
| Dielectric Withstanding Voltage                                       | 1200 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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