

## C1206C101KDGACAUTO

SMD Auto COG HV, Ceramic, 100 pF, 10%, 1,000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 1.5 mm, 1206 / 3216



Click [here](#) for the 3D model.

### 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  |
| Typical Component Weight | 25 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 3.2mm +/-0.2mm  |
| W                    | 1.6mm +/-0.2mm  |
| T                    | 1mm +/-0.10mm   |
| S                    | 1.5mm MIN       |
| B                    | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216     |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500                     |

### Specifications

|  |                           |
|--|---------------------------|
| Capacitance  | 100 pF                    |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 10%                       |
| Voltage DC   | 1000 VDC                  |
| Dielectric Withstanding Voltage                                    | 1,200 VDC                 |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC 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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