

## C1206X682K1GCAUTO

ESD SMD Auto COG, Ceramic, 6,800 pF, 10%, 100 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 1206 / 3216



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | ESD SMD Auto COG  |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade |
| Features                 | Temperature Stable, Automotive Grade                                      |
| RoHS                     | Yes   |
| Termination              | Flexible Termination  |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| Typical Component Weight | 15 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 6,800 pF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 10%                    |
| Voltage DC   | 100 VDC                |
| ESD Level per AEC-Q200   | 25,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 250 VDC                |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOHms              |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 3.3mm +/-0.4mm   |
| W                    | 1.6mm +/-0.35mm  |
| T                    | 0.78mm +/-0.20mm |
| S                    | 1.5mm MIN        |
| B                    | 0.6mm +/-0.25mm  |
| Case Code (EIA / mm) | 1206 / 3216      |

### Packaging Specifications

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

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