

SMD Auto C0G, Ceramic, 330 pF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 0805



#### Dimensions

|                  |                  |
|------------------|------------------|
| <b>Chip Size</b> | 0805             |
| <b>L</b>         | 2mm +/-0.2mm     |
| <b>W</b>         | 1.25mm +/-0.2mm  |
| <b>T</b>         | 0.78mm +/-0.10mm |
| <b>S</b>         | 0.75mm MIN       |
| <b>B</b>         | 0.5mm +/-0.25mm  |

#### Packaging Specifications

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

#### General Information

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Series:</b>         | SMD Auto C0G                                        |
| <b>Style:</b>          | SMD Chip                                            |
| <b>Description:</b>    | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade |
| <b>Features:</b>       | Ultra-Stable, Low Loss, Automotive Grade            |
| <b>RoHS:</b>           | Yes                                                 |
| <b>Termination:</b>    | Tin                                                 |
| <b>Marking:</b>        | No                                                  |
| <b>Qualifications:</b> | AEC-Q200                                            |
| <b>AEC-Q200:</b>       | Yes                                                 |
| <b>Shelf Life:</b>     | 78 Weeks                                            |
| <b>MSL:</b>            | 1                                                   |

#### Specifications

|                                                                            |                        |
|----------------------------------------------------------------------------|------------------------|
| <b>Capacitance:</b>                                                        | 330 pF                 |
| <b>Measurement Condition:</b>                                              | 1 MHz 1.0Vrms          |
| <b>Capacitance Tolerance:</b>                                              | 5%                     |
| <b>Voltage DC:</b>                                                         | 50 VDC                 |
| <b>Dielectric Withstanding Voltage:</b>                                    | 125 VDC                |
| <b>Temperature Range:</b>                                                  | -55/+125°C             |
| <b>Temperature Coefficient:</b>                                            | C0G                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1MHz 1.0Vrms |
| <b>Dissipation Factor:</b>                                                 | 0.1% 1 MHz 1.0Vrms     |
| <b>Aging Rate:</b>                                                         | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>                                              | 100 GOhms              |