

SMD Auto C0G, Ceramic, 0.039 uF, 5%, 200 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 1210

**Dimensions**

|           |                  |
|-----------|------------------|
| Chip Size | 1210             |
| L         | 3.2mm +/-0.2mm   |
| W         | 2.5mm +/-0.2mm   |
| T         | 1.55mm +/-0.15mm |
| B         | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 2000                     |

**General Information**

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

**Specifications**

|                                                                     |                        |
|---------------------------------------------------------------------|------------------------|
| Capacitance:                                                        | 0.039 uF               |
| Capacitance Tolerance:                                              | 5%                     |
| Voltage DC:                                                         | 200 VDC                |
| Dielectric Withstanding Voltage:                                    | 500 VDC                |
| Temperature Range:                                                  | -55/+125°C             |
| Temperature Coefficient:                                            | C0G                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor:                                                 | 0.10% 1kHz 1.0Vrms     |
| Aging Rate:                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance:                                              | 25.641 GOhms           |