

SMD Auto COG, Ceramic, 22 pF, 5%, 25 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade, 0603



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| T          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| B          | 0.35mm +/-0.15mm |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 4000                   |

| General Information |                                                     |
|---------------------|-----------------------------------------------------|
| Series:             | SMD Auto COG                                        |
| 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:                                                        | 22 pF                     |
| Measurement Condition:                                              | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:                                              | 5%                        |
| Voltage DC:                                                         | 25 VDC                    |
| Dielectric Withstanding Voltage:                                    | 62.5 VDC                  |
| Temperature Range:                                                  | -55/+125°C                |
| Temperature Coefficient:                                            | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor:                                                 | 0.1% 1MegaHz 1.0Vrms      |
| Aging Rate:                                                         | 0% Loss/Decade Hour       |
| Insulation Resistance:                                              | 100 GOhms                 |

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