

SMD Auto COG HV, Ceramic, 0.018 uF, 1%, 1000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 1210



| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.2mm  |
| W          | 2.5mm +/-0.2mm  |
| T          | 2.5mm +/-0.30mm |
| B          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 1000                     |

| 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  |
| AEC-Q200:           | Yes   |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications  |                        |
|---|------------------------|
| Capacitance:  | 0.018 uF               |
| Measurement Condition:  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance:  | 1%                     |
| Voltage DC:   | 1000 VDC               |
| Dielectric Withstanding Voltage:                                    | 1200 VDC               |
| Temperature Range:  | -55/+125°C             |
| Temperature Coefficient:  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor:   | 0.1% 1kHz 1.0Vrms      |
| Aging Rate:   | 0% Loss/Decade Hour    |
| Insulation Resistance:  | 55.556 GOhms           |

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