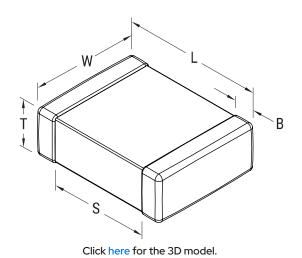




SMD Auto COG HV, Ceramic, 1,000 pF, 5%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 1808, 2.9 mm



| General Information      |   |
|--------------------------|---|
| Series                   | SMD Auto COG HV   |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Ultra-Stable, Low<br>Loss, High Voltage, Automotive<br>Grade |
| Features                 | Ultra-Stable, Low Loss,<br>Automotive Grade                             |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 81 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1808            |
| L          | 4.7mm +/-0.5mm  |
| W          | 2mm +/-0.2mm    |
| T          | 1.6mm +/-0.15mm |
| S          | 2.9mm MIN       |
| В          | 0.6mm +/-0.35mm |
|            |                 |

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

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 1,000 pF                  |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | 5%                        |
| Voltage DC   | 630 VDC                   |
| Dielectric Withstanding Voltage  | 945 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temp. Coefficient  | COG                       |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms        |
| Aging Rate   | 0% Loss/Decade Hour       |
| Insulation Resistance  | 100 GOhms                 |

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