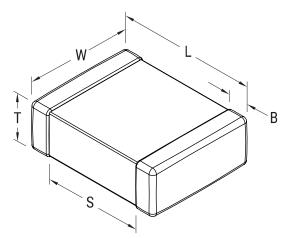


C0603C681JBGACAUTO

SMD Auto COG HV, Ceramic, 680 pF, 5%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 0603, 0.5 mm



Click here for the 3D model.

| 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 |
| Typical Component Weight | 4.6 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| Т | 0.8mm +/-0.10mm |
| S | 0.5mm MIN |
| В | 0.35mm +/-0.15mm |

Packaging Specifications

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

| Specifications | |
|--|---------------------------|
| Capacitance | 680 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | 5% |
| Voltage DC | 630 VDC |
| Dielectric Withstanding Voltage | 819 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | COG |
| Capacitance Change with Reference to +25°C and 0 VDC 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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