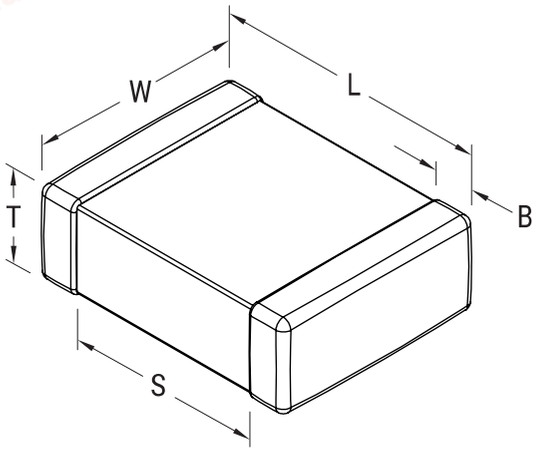
chanhvinh.com

# C0603X682K5GECAUTO

ESD SMD Auto C0G, Ceramic, 6,800 pF, 10%, 50 VDC, C0G, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0603 / 1608




Click here for the 3D model.

| General Information | |
|---|---|
| Series | ESD SMD Auto C0G |
| Style | SMD Chip |
| Description | SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade |
| Features | Temperature Stable, Automotive Grade |
| RoHS | Yes |
| Termination | Flexible Termination |
| Marking | No |
| Qualifications | AEC-Q200 |
| Typical Component Weight | 4.6 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|---|---|
| L | 1.6mm +/-0.17mm |
| W | 0.8mm +/-0.15mm |
| T | 0.8mm +/-0.15mm |
| S | 0.4mm MIN |
| B | 0.45mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608 |

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

| Specifications | |
|---|---|
| Capacitance | 6,800 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 50 VDC |
| ESD Level per AEC-Q200 | 25,000 V ESD Level |
| Dielectric Withstanding Voltage | 125 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | C0G |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 kHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour |
| Insulation Resistance | 100 GOhms |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



© 2006 - 2026 YAGEO