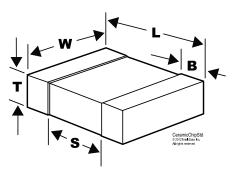
KEMET Part Number: C0603C102J5GACAUTO



Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Auto Grade, 1000 pF, +/-5% Tol, 50 V, C0G, 0603 (1608 metric)



| General Information | |
|--------------------------|--|
| Supplier: | KEMET |
| Application: | Automotive (AEC-Q200 Qualified) |
| Chip Size: | 0603 (1608 metric) |
| Temperature Coefficient: | COG |
| Part Type Description: | SMD, MLCC, Ultra-Stable, Low Loss, Auto Grade |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |
| Approvals: | AEC-Q200 |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 1.6 | +/-0.15 |
| W | 0.8 | +/-0.15 |
| Т | 0.8 | +/-0.07 |
| В | 0.35 | +/-0.15 |
| S | 0.7 | MIN |

| Packaging Specifications | | |
|--------------------------|-------------|--|
| Package Kind: | T&R | |
| Package Size: | 7 in/180 mm | |
| Package Type: | Paper Tape | |
| Package Quantity: | 4000 | |

| Specifications | | |
|------------------------|---|--|
| Capacitance: | 1000 pF | |
| Voltage: | 50 V | |
| Tolerance: | +/-5% | |
| Temperature Range: | -55/+125C | |
| Dissipation Factor: | 0.1% | |
| Failure Rate: | N/A | |
| Aging Rate: | 0% loss/decade hour | |
| Insulation Resistance: | 100 GOhm | |
| Dielectric Strength: | 125 V | |
| Miscellaneous: | Note: KEMET 50V rated parts may be operated at 63 Volts | |

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.

