

## C0603X102JAGACAUTO

SMD Auto COG Flex, Ceramic, 1000 pF, 5%, 250 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.17mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.15mm  |
| S          | 0.58mm MIN       |
| В          | 0.45mm +/-0.15mm |

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

| General Information |  |
|---------------------|--|
| Series              | SMD Auto COG Flex  |
| Style               | SMD Chip   |
| Description         | ${\sf SMD}, {\sf MLCC}, {\sf FT-CAP}, {\sf Ultra-Stable}, {\sf Automotive} \\ {\sf Grade}$ |
| Features            | FT-CAP, Ultra-Stable, Automotive Grade   |
| RoHS                | Yes  |
| Termination         | Flexible Termination   |
| Marking             | No   |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Component<br>Weight | 4.6 mg   |
| Shelf Life          | 78 Weeks   |
| MSL                 | 1  |

| Specifications   |                              |
|--|------------------------------|
| Capacitance  | 1000 pF                      |
| Measurement Condition  | 1 MHz 1.0Vrms                |
| Capacitance Tolerance  | 5%                           |
| Voltage DC   | 250 VDC                      |
| Dielectric Withstanding Voltage                                    | 625 VDC                      |
| Temperature Range  | -55/+125°C                   |
| Temperature Coefficient  | COG                          |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz<br>1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms           |
| Aging Rate   | 0% Loss/Decade<br>Hour       |
| Insulation Resistance  | 100 GOhms                    |

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