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| General Information      |   |
|--------------------------|---|
| Series                   | SMD Auto X8G HT150C Flex                                    |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade |
| Features                 | High Temperature, Ultra-Stable, Automotive Grade            |
| RoHS                     | Yes   |
| Termination              | Flexible Termination  |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 4.6 mg  |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

| Specifications   |   |
|--|---|
| Capacitance  | 1.8 pF  |
| Measurement Condition  | 1 MHz 1.0Vrms                                   |
| Tolerance  | +/-0.1 pF                                       |
| Voltage DC   | 250 VDC   |
| Dielectric Withstanding Voltage                                    | 625 VDC   |
| Temperature Range  | -55/+150°C                                      |
| Temp. Coefficient  | X8G   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms                          |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms                              |
| Aging Rate   | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.17mm  |
| W          | 0.8mm +/-0.15mm  |
| T          | 0.8mm +/-0.15mm  |
| S          | 0.4mm MIN        |
| B          | 0.45mm +/-0.15mm |

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

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