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**General Information**

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| Series                   | SMD Auto X8R HT150C Flex                                            |
| Style                    | SMD Chip                                                            |
| Description              | SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade |
| Features                 | High Temperature, Ultra-Stable, FT-CAP, Automotive Grade            |
| RoHS                     | Yes                                                                 |
| Termination              | Flexible Termination                                                |
| Marking                  | No                                                                  |
| Qualifications           | AEC-Q200                                                            |
| Typical Component Weight | 17 mg                                                               |
| Shelf Life               | 78 Weeks                                                            |
| MSL                      | 1                                                                   |

**Dimensions**

|                      |                  |
|----------------------|------------------|
| L                    | 3.3mm +/-0.4mm   |
| W                    | 1.6mm +/-0.35mm  |
| T                    | 0.78mm +/-0.20mm |
| S                    | 1.5mm MIN        |
| B                    | 0.6mm +/-0.25mm  |
| Case Code (EIA / mm) | 1206 / 3216      |

**Packaging Specifications**

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

**Specifications**

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 12 pF                                           |
| Measurement Condition                                              | 1 MHz 1.0Vrms                                   |
| Tolerance                                                          | 5%                                              |
| Voltage DC                                                         | 16 VDC                                          |
| Dielectric Withstanding Voltage                                    | 40 VDC                                          |
| Temperature Range                                                  | -55/+150°C                                      |
| Temp. Coefficient                                                  | X8R                                             |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1MHz 1.0Vrms                               |
| Dissipation Factor                                                 | 2.5% 1MHz 1.0Vrms                               |
| Aging Rate                                                         | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 100 GOhms                                       |

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