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**General Information**

|                          |  |
|--------------------------|--|
| Series                   | SMD Auto X7R FO                        |
| Style                    | SMD Chip                               |
| Description              | SMD, MLCC, Open Mode, Automotive Grade |
| Features                 | Open Mode, Automotive Grade            |
| RoHS                     | Yes                                    |
| Termination              | Tin                                    |
| Marking                  | No                                     |
| Qualifications           | AEC-Q200                               |
| Typical Component Weight | 105 mg                                 |
| Shelf Life               | 78 Weeks                               |
| MSL                      | 1                                      |

**Specifications**

|  |   |
|--|---|
| Capacitance  | 0.47 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 100 VDC   |
| Dielectric Withstanding Voltage                                    | 250 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 1.0638 GOhms                                    |

**Dimensions**

|                      |                  |
|----------------------|------------------|
| L                    | 3.2mm +/-0.2mm   |
| W                    | 2.5mm +/-0.2mm   |
| T                    | 1.85mm +/-0.20mm |
| S                    | 1.5mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 1210 / 3225      |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000                     |

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