



Click [here](#) for the 3D model.

**General Information**

|                          |                                     |
|--------------------------|-------------------------------------|
| Series                   | SMD Auto X7R Flex                   |
| Style                    | SMD Chip                            |
| Description              | SMD, MLCC, FT-CAP, Automotive Grade |
| Features                 | FT-CAP, Automotive Grade            |
| RoHS                     | Yes                                 |
| Termination              | Flexible Termination                |
| Marking                  | No                                  |
| Qualifications           | AEC-Q200                            |
| Typical Component Weight | 55 mg                               |
| Shelf Life               | 78 Weeks                            |
| MSL                      | 1                                   |

**Specifications**

|  |   |
|--|---|
| Capacitance  | 10 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                 |
| Tolerance  | 10%   |
| Voltage DC   | 25 VDC  |
| Dielectric Withstanding Voltage                                    | 62.5 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   | 10% 1kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance  | 10 MOhms                                      |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 3.3mm +/-0.4mm  |
| W                    | 1.6mm +/-0.35mm |
| T                    | 1.6mm +/-0.35mm |
| 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 | 2000                     |

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