



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

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0603             |
| L         | 1.6mm +/-0.17mm  |
| W         | 0.8mm +/-0.15mm  |
| T         | 0.8mm +/-0.15mm  |
| S         | 0.58mm MIN       |
| B         | 0.45mm +/-0.15mm |

### Packaging Specifications

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

### 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                            |
| AEC-Q200         | Yes                                 |
| Component Weight | 7.3 mg                              |
| Shelf Life       | 78 Weeks                            |
| MSL              | 1                                   |

### Specifications

|  |   |
|--|---|
| Capacitance  | 220 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 100 VDC   |
| Dielectric Withstanding Voltage                                    | 250 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temperature Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |