

SMD Auto X7R FO, Ceramic, 2.2 uF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1210

**Dimensions**

|           |                 |
|-----------|-----------------|
| Chip Size | 1210            |
| L         | 3.2mm +/-0.2mm  |
| W         | 2.5mm +/-0.2mm  |
| T         | 1.7mm +/-0.20mm |
| B         | 0.5mm +/-0.25mm |

**Packaging Specifications**

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

**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                               |
| AEC-Q200:         | Yes                                    |
| Component Weight: | 85 mg                                  |
| Shelf Life:       | 78 Weeks                               |
| MSL:              | 1                                      |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 2.2 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 50 VDC  |
| Dielectric Withstanding Voltage:                                    | 125 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% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 227.3 MOhms                                     |