

SMD Auto X7R FO, Ceramic, 1 uF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1812



Dimensions

| Chip Size | | 1812 |
|-----------|--|-----------------|
| L | | 4.5mm +/-0.3mm |
| W | | 3.2mm +/-0.3mm |
| T | | 1.7mm +/-0.20mm |
| B | | 0.6mm +/-0.35mm |

Packaging Specifications

| | |
|----------------------------|--------------------------|
| Packaging: | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 1000 |

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: | 185 mg |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

| | |
|--|---|
| Capacitance: | 1 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: | 1 GOhms |