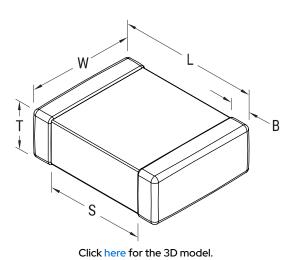




SMD Auto X7R, Ceramic, 0.82 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1210, 1.5 mm



| General Information | |
|--------------------------|----------------------------------------------------|
| Series | SMD Auto X7R |
| Style | SMD Chip |
| Description | SMD, MLCC, Temperature Stable, Automotive Grade |
| Features | Temperature Stable, Automotive Grade |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Typical Component Weight | 65 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|-----------------|
| Chip Size | 1210 |
| L | 3.2mm +/-0.2mm |
| W | 2.5mm +/-0.2mm |
| Т | 1.4mm +/-0.15mm |
| S | 1.5mm MIN |
| В | 0.5mm +/-0.25mm |

| В | 0.5mm +/-0.25mm |
|--------------------------|--------------------------|
| | |
| Packaging Specifications | |
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000 |

| Specifications | |
|--------------------------------------------------------------------------|----------------------------------------------------|
| Capacitance | 0.82 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%1kHz1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 609.8 MOhms |

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