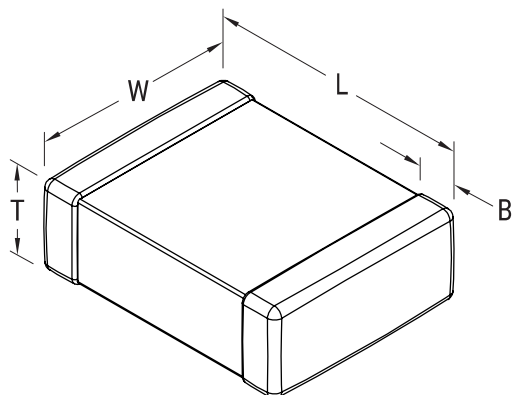


SMD Auto X7R, Ceramic, 4.7 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1210



#### Dimensions

| Chip Size | 1210            |
|-----------|-----------------|
| L         | 3.2mm +/-0.3mm  |
| W         | 2.5mm +/-0.22mm |
| T         | 2.5mm +/-0.30mm |
| B         | 0.5mm +/-0.25mm |

#### Packaging Specifications

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

#### 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  |
| Miscellaneous:  | Note: KEMET 50V rated parts may be operated at 63 Volts. |
| Shelf Life:     | 78 Weeks   |
| MSL:            | 1  |

#### Specifications

|   |   |
|---|---|
| Capacitance:  | 4.7 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:  | 106 MOhms                                       |