



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

General Information

| | |
|--------------------------|-------------------------------------|
| Series | SMD Indust X7R HT175C |
| Style | SMD Chip |
| Description | SMD, MLCC, High Temperature, FT-CAP |
| Features | FT-CAP, High Temperature |
| RoHS | Yes |
| Termination | Flexible Termination |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 105 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|---|
| Capacitance | 1 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 VDC |
| Temperature Range | -55/+175°C |
| Temp. Coefficient | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15% (-55C to 125C), 1kHz 1.0Vrms |
| Dissipation Factor | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 500 MOhms |

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1210 |
| L | 3.3mm +/-0.4mm |
| W | 2.6mm +/-0.3mm |
| T | 2.1mm +/-0.20mm |
| S | 1.5mm MIN |
| B | 0.6mm +/-0.25mm |

Packaging Specifications

| | |
|--------------------|----------|
| Packaging | Cut Reel |
| Packaging Quantity | 500 |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.