



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

General Information

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|--------------------------|-------------------------------------|
| 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 | 4.8 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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|--|---|
| Capacitance | 0.1 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 | 5 GOhms |

Dimensions

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|-----------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.17mm |
| W | 0.8mm +/-0.15mm |
| T | 0.8mm +/-0.07mm |
| S | 0.4mm MIN |
| B | 0.45mm +/-0.15mm |

Packaging Specifications

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|--------------------|----------|
| Packaging | Cut Reel |
| Packaging Quantity | 250 |

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