



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

General Information

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|--------------------------|---|
| Series | SMD Comm X5R |
| Style | SMD Chip |
| Description | SMD, MLCC, Temperature Stable, Class II |
| Features | Temperature Stable, Class II |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Typical Component Weight | 41 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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|--|---|
| Capacitance | 47 uF |
| Measurement Condition | 120 Hz 0.5Vrms |
| Tolerance | 20% |
| Voltage DC | 6.3 VDC |
| Dielectric Withstanding Voltage | 15.75 VDC |
| Temperature Range | -55/+85°C |
| Temp. Coefficient | X5R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 120Hz 0.5Vrms |
| Dissipation Factor | 10% 120 Hz 0.5Vrms |
| Aging Rate | 5% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance | 2.1 MOhms |

Dimensions

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|----------------------|---------------------|
| L | 3.2mm +/-0.3mm |
| W | 1.6mm +/-0.3mm |
| T | 1.6mm +/-0.20mm |
| S | 1.5mm MIN |
| B | 0.5mm +0.35/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216 |

Packaging Specifications

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|--------------------|--------------------------|
| Packaging | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 8000 |

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