

C0805C151JCRAL7800

Aliases (C0805C151JCRAL7800)

SMD Comm X7R HV, Ceramic, 150 pF, 5%, 500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 0805



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

General Information

| | |
|------------------|--|
| Series | SMD Comm X7R HV |
| Style | SMD Chip |
| Description | SMD, MLCC, High Voltage, Temperature Stable |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov |
| SCIP Number | 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb |
| Termination | Lead (SnPb) |
| Marking | No |
| AEC-Q200 | No |
| Component Weight | 21 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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|--|--|
| Capacitance | 150 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 5% |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 750 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% 1kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

Dimensions

| | |
|-----------|------------------|
| Chip Size | 0805 |
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| T | 1.25mm +/-0.15mm |
| S | 0.75mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

| | |
|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500 |

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