



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

General Information

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|----------------|-------------------------------|
| Series | CAS SMD SFTY 250 |
| Style | SMD Chip |
| Description | Industrial Grade, Safety MLCC |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | TUV, UL, cUL |
| AEC-Q200 | No |
| Halogen Free | Yes |
| Shelf Life | 52 Weeks |

Dimensions

| | |
|-----------|-------------------|
| Chip Size | 1812 |
| L | 4.5mm +0.5/-0.3mm |
| W | 3.2mm +/-0.4mm |
| T | 1.6mm +/-0.2mm |
| S | 3.5mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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|--------------------|------|
| Packaging | T&R |
| Packaging Quantity | 1000 |

Specifications

| | |
|--|----------------------------|
| Capacitance | 180 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 20% |
| Voltage AC | 250 VAC (X1), 250 VAC (Y2) |
| Temperature Range | -55/+125°C |
| Temp. 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 |
| Insulation Resistance | 10 GOhms |
| Safety Class | X1/Y2 |

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