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**General Information**

|                |                               |
|----------------|-------------------------------|
| 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 | 1808              |
| L         | 4.5mm +0.5/-0.3mm |
| W         | 2mm +/-0.25mm     |
| T         | 1.6mm +/-0.2mm    |
| S         | 3.5mm MIN         |
| B         | 0.5mm +/-0.25mm   |

**Packaging Specifications**

|                    |      |
|--------------------|------|
| Packaging          | T&R  |
| Packaging Quantity | 2000 |

**Specifications**

|                                                                    |                   |
|--------------------------------------------------------------------|-------------------|
| Capacitance                                                        | 150 pF            |
| Measurement Condition                                              | 1 kHz 1.0Vrms     |
| Tolerance                                                          | 10%               |
| Voltage AC                                                         | 250 VAC (X2)      |
| 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% 1kHz 1.0Vrms |
| Insulation Resistance                                              | 10 GOhms          |
| Safety Class                                                       | X2                |

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