



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

#### 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  | 220 pF                     |
| Measurement Condition  | 1 kHz 1.0Vrms              |
| Tolerance  | 10%                        |
| 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                      |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.