



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

| 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 |

| General Information |                               |
|---------------------|-------------------------------|
| Series              | CAS SMD SFTY 250              |
| Style               | SMD Chip                      |
| Description         | Industrial Grade, Safety MLCC |
| RoHS                | Yes                           |
| Termination         | Tin                           |
| Safety Class        | X1/Y2                         |
| Qualifications      | ENEC, UL, IEC                 |
| AEC-Q200            | No                            |
| Halogen Free        | Yes                           |

| Specifications   |                            |
|--|----------------------------|
| Capacitance  | 180 pF                     |
| Measurement Condition  | 1 kHz 1.0Vrms              |
| Capacitance Tolerance  | 5%                         |
| Voltage AC   | 250 VAC (X1), 250 VAC (Y2) |
| 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% 1 kHz 1.0Vrms         |
| Insulation Resistance  | 10 GOhms                   |