



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

### Dimensions

|           |                   |
|-----------|-------------------|
| Chip Size | 1812              |
| L         | 4.5mm +0.5/-0.3mm |
| W         | 3.2mm +/-0.4mm    |
| T         | 1.25mm +/-0.1mm   |
| S         | 3.5mm MIN         |
| B         | 0.5mm +/-0.25mm   |

### Packaging Specifications

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

### 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  | 56 pF                      |
| Measurement Condition  | 1 MHz 1.0Vrms              |
| Capacitance Tolerance  | 20%                        |
| Voltage AC   | 250 VAC (X1), 250 VAC (Y2) |
| Temperature Range  | -55/+125°C                 |
| Temperature Coefficient  | COG                        |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms     |
| Insulation Resistance  | 100 GOhms                  |
| Quality Factor   | 1000                       |