

## CAS18C102KARFC

CAS SMD SFTY 250, Ceramic, 1,000 pF, 10%, 250 VAC, X7R, Industrial Grade, Safety MLCC, X1/Y2, 3.5 mm, 1812 / 4532



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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

|                      |                   |
|----------------------|-------------------|
| L                    | 4.5mm +0.5/-0.3mm |
| W                    | 3.2mm +/-0.4mm    |
| T                    | 2.5mm +/-0.3mm    |
| S                    | 3.5mm MIN         |
| B                    | 0.5mm +/-0.25mm   |
| Case Code (EIA / mm) | 1812 / 4532       |

### Packaging Specifications

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 500 |

### Specifications

|                                                                    |                            |
|--------------------------------------------------------------------|----------------------------|
| Capacitance                                                        | 1,000 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                      |

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