



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

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.2mm     |
| W         | 1.25mm +/-0.2mm  |
| T         | 1.25mm +/-0.15mm |
| S         | 0.75mm MIN       |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1         |

### General Information

|                  |  |
|------------------|--|
| Series           | ArcShield SMD Comm X7R HV  |
| Style            | SMD Chip   |
| Description      | SMD, MLCC, ArcShield, High Voltage, Temperature Stable                         |
| Features         | High Voltage, Temperature Stable   |
| RoHS             | Yes  |
| Termination      | Tin  |
| Marking          | No   |
| AEC-Q200         | No   |
| Component Weight | 21 mg  |
| Miscellaneous    | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life       | 78 Weeks   |
| MSL              | 1  |

### Specifications

|  |   |
|--|---|
| Capacitance  | 5600 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 630 VDC   |
| Dielectric Withstanding Voltage                                    | 945 VDC   |
| 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% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 10 GOhms  |

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