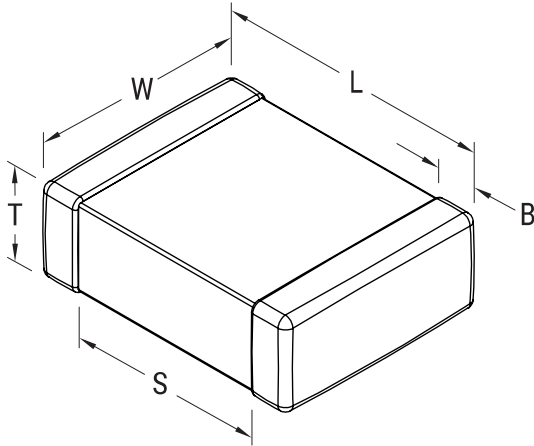




Click [here](#) for the 3D model.

#### General Information

|                          |                                          |
|--------------------------|------------------------------------------|
| Series                   | SMD Comm X7R FO                          |
| Style                    | SMD Chip                                 |
| Description              | SMD, MLCC, Open Mode, Temperature Stable |
| Features                 | Open Mode, Temperature Stable            |
| RoHS                     | Yes                                      |
| Termination              | Flexible Termination                     |
| Marking                  | No                                       |
| AEC-Q200                 | No                                       |
| Typical Component Weight | 13 mg                                    |
| Shelf Life               | 78 Weeks                                 |
| MSL                      | 1                                        |

#### Specifications

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 0.033 uF                                        |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Tolerance                                                          | 10%                                             |
| Voltage DC                                                         | 50 VDC                                          |
| Dielectric Withstanding Voltage                                    | 125 VDC                                         |
| 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% 1kHz 1.0Vrms                               |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 30.303 GOhms                                    |

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0805            |
| L         | 2mm +/-0.3mm    |
| W         | 1.25mm +/-0.3mm |
| T         | 0.9mm +/-0.10mm |
| S         | 0.6mm MIN       |
| B         | 0.5mm +/-0.25mm |

#### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 4000                     |

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