



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              | Tin                                      |
| Marking                  | No                                       |
| Typical Component Weight | 41 mg                                    |
| Shelf Life               | 78 Weeks                                 |
| MSL                      | 1  |

#### Specifications

|  |   |
|--|---|
| Capacitance  | 1uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 20%   |
| 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% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 500 MOhms                                       |

| Dimensions           |                 |
|----------------------|-----------------|
| L                    | 3.2mm +/-0.2mm  |
| W                    | 1.6mm +/-0.2mm  |
| T                    | 1.6mm +/-0.20mm |
| S                    | 1.5mm MIN       |
| B                    | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216     |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 8000                     |

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