



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

**General Information**

|                          |  |
|--------------------------|--|
| Series                   | SMD Comm X7R FF  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, FF-CAP, Floating Electrode  |
| Features                 | FF-CAP, Floating Electrode   |
| RoHS                     | No   |
| Prop 65                  | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| Termination              | Flexible Termination With Lead (SnPb)  |
| Marking                  | true   |
| AEC-Q200                 | No   |
| Typical Component Weight | 17 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

**Dimensions**

|           |                  |
|-----------|------------------|
| Chip Size | 1206             |
| L         | 3.3mm +/-0.4mm   |
| W         | 1.6mm +/-0.35mm  |
| T         | 0.78mm +/-0.20mm |
| S         | 1.5mm MIN        |
| B         | 0.6mm +/-0.25mm  |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 10000                    |

**Specifications**

|  |   |
|--|---|
| Capacitance  | 1000 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 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  | 100 GOhms                                       |

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