



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

#### General Information

|                          |  |
|--------------------------|--|
| Series                   | SMD MIL X7R PRF32535   |
| Style                    | SMD Chip   |
| Description              | SMD, MIL-PRF-32535   |
| RoHS                     | No   |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| SCIP Number              | d66873f5-e54d-410c-a0cf-ebf6fcf635b5   |
| Termination              | Solder Plated  |
| Failure Rate             | N/A  |
| Qualifications           | MIL-PRF-32535 M-Level  |
| AEC-Q200                 | No   |
| Typical Component Weight | 1.6 mg   |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

#### Dimensions

|           |                     |
|-----------|---------------------|
| Chip Size | 0402                |
| L         | 1.02mm +0.15/-0.1mm |
| W         | 0.51mm +0.13/-0.1mm |
| T         | 0.64mm MAX          |
| S         | 0.3mm MIN           |
| B         | 0.1mm MIN           |

#### Packaging Specifications

|                    |        |
|--------------------|--------|
| Packaging          | Waffle |
| Packaging Quantity | 368    |

#### Specifications

|  |                     |
|--|---------------------|
| Capacitance  | 0.01 uF             |
| Tolerance  | 10%                 |
| Voltage DC   | 25 VDC              |
| Dielectric Withstanding Voltage                                    | 62.5 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   | 3.5% 1 kHz 1.0Vrms  |
| Aging Rate   | 3% Loss/Decade Hour |
| Insulation Resistance  | 100 GOhms           |

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