



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

General Information

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

Dimensions

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|-----------|---------------------|
| 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

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

Specifications

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|--|---------------------|
| Capacitance | 0.01 uF |
| Tolerance | 10% |
| Voltage DC | 16 VDC |
| Dielectric Withstanding Voltage | 40 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 | 50 GOhms |

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