



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

Dimensions

| | |
|-----------|---|
| Chip Size | 0603 |
| L | 1.6mm +0.2/-0.15mm (0.063 in +0.008/-0.006 in) |
| W | 0.81mm +0.2/-0.15mm (0.032 in +0.008/-0.006 in) |
| T | 1.02mm MAX (0.04 in MAX) |
| B | 0.41mm +/-0.2mm (0.016 in +/-0.008 in) |

Packaging Specifications

| | |
|--------------------|--------|
| Packaging | Waffle |
| Packaging Quantity | 100 |

General Information

| | |
|------------------|--|
| Series | SMD MIL X7R PRF32535 |
| Style | SMD Chip |
| Description | SMD, Military, Low ESR, MIL-PRF-32535 |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov |
| SCIP Number | d66873f5-e54d-410c-a0cf-ebf6fc635b5 |
| Termination | Solder Plated |
| Failure Rate | N/A |
| Qualifications | MIL-PRF-32535 |
| AEC-Q200 | No |
| Component Weight | 6300 ug |

Specifications

| | |
|---------------------------------|---------------------|
| Capacitance | 6800 pF |
| Capacitance Tolerance | 10% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 VDC |
| Temperature Range | -55/+125°C |
| Temperature Coefficient | X7R |
| Dissipation Factor | 2.5% 1MHz 25C |
| Aging Rate | 3% Loss/Decade Hour |
| Insulation Resistance | 100 GOHms |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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