



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          | T&R  |
| Packaging Quantity | 4000 |

### General Information

|                  |                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------|
| Series           | SMD MIL X7R PRF32535                                                                                                         |
| Style            | SMD Chip                                                                                                                     |
| Description      | SMD, Military, Low ESR, MIL-PRF-32535                                                                                        |
| RoHS             | No                                                                                                                           |
| Prop 65          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| 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                      | 10 VDC              |
| Dielectric Withstanding Voltage | 25 VDC              |
| Temperature Range               | -55/+125°C          |
| Temperature Coefficient         | X7R                 |
| Dissipation Factor              | 5% 1 MHz 25C        |
| Aging Rate                      | 3% Loss/Decade Hour |
| Insulation Resistance           | 73.53 GOhms         |

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