

T598D106M050ATW090

T598, Tantalum, Polymer Tantalum, Commercial Grade, 10 uF, 20%, 50 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 90 mOhms, 3.1 mm, 2817 / 7343



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

General Information

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|--------------------------|---|
| Series | T598 |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Low ESR, AEC-Q200 |
| Features | Automotive (Surge testing at -55C +/-5C and +85C +/-5C / 10 cycles) |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Typical Component Weight | 434.8 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Specifications

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|--------------------|--|
| Capacitance | 10 uF |
| Tolerance | 20% |
| Voltage DC | 50 VDC (105C), 33.5 VDC (125C) |
| Temperature Range | -55/ +125°C |
| Rated Temperature | 105°C |
| Humidity | 85C, 85% RH, load, 1000 Hours |
| Dissipation Factor | 10% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 90 mOhms (100kHz 25C) |
| Ripple Current | 2240 mA (rms, 100kHz 45C), 1568 mA (rms, 105C), 560 mA (rms, 125C) |
| Leakage Current | 50 uA (5min 25°C) |

Dimensions

| | |
|---|--------------------|
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 2.8mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.4mm +/-0.1mm |
| A | 3.8mm MIN |
| B | 0.5mm +/-0.15mm |
| P | 0.9mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 500 |

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