



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

General Information

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| Series | T500 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, High Temperature, 200C |
| Features | 200C |
| RoHS | Yes |
| Termination | Gold |
| Shelf Life | 156 Weeks |
| MSL | 1 |

Specifications

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|-------------------------|--|
| Capacitance | 33 uF |
| Tolerance | 20% |
| Voltage DC | 6.3 VDC (85C), 4.2 VDC (125C), 2.52 VDC (200C) |
| Temperature Range | -55/+200°C |
| Rated Temperature | 85°C |
| Humidity | 85C, 85% RH, 0 V, 1000 Hours |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 1800 mOhms (100kHz 25C) |
| Ripple Current | 247 mA (rms, 100kHz 25C), 99 mA (rms, 100kHz 125C), 25 mA (rms, 100kHz 200C) |
| Leakage Current | 2.1 uA (5min 25°C) |
| Testing and Reliability | Standard Testing Only |

Dimensions

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|---|--------------------|
| L | 6mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| H | 2.5mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 2.9mm MIN |
| B | 0.5mm +/-0.15mm |
| E | 2.4mm REF |
| G | 2.8mm REF |
| P | 0.9mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

Packaging Specifications

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

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