

T500B475M016AG6110

T500, Tantalum, MnO₂ Tantalum, High Temperature, 4.7 uF, 20%, 16 VDC, SMD, MnO₂, Molded, High Temperature, 200C, N/A, 6 Ohms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

Dimensions

| | |
|-----------|-------------------|
| Footprint | 3528 |
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.9mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +0.1/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.9mm MIN |
| B | 0.4mm +/-0.15mm |
| E | 2.2mm REF |
| G | 1.8mm REF |
| P | 0.5mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2000 |

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 |
| AEC-Q200 | No |
| Shelf Life | 156 Weeks |
| MSL | 1 |

Specifications

| | |
|-----------------------|--|
| Capacitance | 4.7 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 16 VDC (85C), 12.8 VDC (125C), 6.4 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 |
| Resistance | 6000 mOhms (100kHz 25C) |
| Ripple Current | 119 mA (rms, 100kHz 25C), 48 mA (rms, 100kHz 125C), 12 mA (rms, 100kHz 200C) |
| Leakage Current | 0.8 uA (5min 25°C) |

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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