



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

General Information

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

Capacitance	33 uF
Tolerance	10%
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

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

Packaging	T&R, 178mm
Packaging Quantity	500

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.