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#### General Information

Series	T500
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, High Temperature, 200C
Features	200C
RoHS	Yes
Termination	Gold
AEC-Q200	No
Shelf Life	156 Weeks
MSL	1

#### Specifications

Capacitance	33 uF
Tolerance	20%
Voltage DC	35 VDC (85C), 23.1 VDC (125C), 14 VDC (200C)
Temperature Range	-55/+200°C
Rated Temperature	85°C
Humidity	85C, 85% RH, 0 V, 1000 Hours
Dissipation Factor	8% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	600 mOhms (100kHz 25C)
Ripple Current	524 mA (rms, 100kHz 25C), 210 mA (rms, 100kHz 125C), 52 mA (rms, 100kHz 200C)
Leakage Current	11.6 uA (5min 25°C)

#### Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	4mm +/-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
E	3.5mm REF
G	3.5mm REF
P	1.7mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

#### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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