

T500D685M035AG6110

T500, Tantalum, MnO₂ Tantalum, High Temperature, 6.8 uF, 20%, 35 VDC, SMD, MnO₂, Molded, High Temperature, 200C, 1.3 Ohms, 3.1 mm, 2817 / 7343



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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

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
E	3.5mm REF
G	3.5mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

Specifications

Capacitance	6.8 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	6% 120Hz 25C
Failure Rate	N/A
ESR	1300 mOhms (100kHz 25C)
Ripple Current	340 mA (rms, 100kHz 25C), 136 mA (rms, 100kHz 125C), 34 mA (rms, 100kHz 200C)
Leakage Current	2.4 uA (5min 25°C)
Testing and Reliability	Standard Testing Only

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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