

T500C686K006AG6110

T500, Tantalum, MnO₂ Tantalum, High Temperature, 68 uF, 10%, 6.3 VDC, SMD, MnO₂, Molded, High Temperature, 200C, N/A, 1.2 Ohms, 6032, Height Max = 2.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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Dimensions

Footprint	6032
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

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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
AEC-Q200	No
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	68 uF
Capacitance Tolerance	10%
Voltage DC	6.3 VDC (85C), 5.04 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
Resistance	1200 mOhms (100kHz 25C)
Ripple Current	303 mA (rms, 100kHz 25C), 121 mA (rms, 100kHz 125C), 30 mA (rms, 100kHz 200C)
Leakage Current	4.3 uA (5min 25°C)

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