

T510E108M004ATA018

T510 Auto, Tantalum, MnO2 Tantalum, Multi-Anode, 1,000 uF, 20%, 4 VDC, SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200, 18 mOhms, 7360, 3.8 mm, 1.3 mm



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General Information

Series	T510 Auto
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200
Features	Automotive, Low ESR
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	500.73 mg
MSL	1

Specifications

Capacitance	1,000 uF
Tolerance	20%
Voltage DC	4 VDC (85C), 2.68 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	18 mOhms (100kHz 25C)
Ripple Current	3979 mA (rms, 100kHz 25C), 3581.1 mA (rms, 85C), 1591.6 mA (rms, 125C)
Leakage Current	40 uA (5min 25°C)

Dimensions

L	7.3mm +/-0.3mm
W	6mm +/-0.3mm
H	3.6mm +/-0.2mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	4.1mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
X	0.1mm +/-0.1mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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