

T510X106M050ATA090

T510 Auto, Tantalum, MnO2 Tantalum, Multi-Anode, 10 uF, 20%, 50 VDC, SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200, 90 mOhms, 7343, 4.3 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	430.15 mg
MSL	1

Specifications

Capacitance	10 uF
Tolerance	20%
Voltage DC	50 VDC (85C), 33.5 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
ESR	90 mOhms (100kHz 25C)
Ripple Current	1732 mA (rms, 100kHz 25C), 1558.8 mA (rms, 85C), 692.8 mA (rms, 125C)
Leakage Current	5 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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