

T510X106M050ATE090

T510, Tantalum, MnO₂ Tantalum, Multi-Anode, 10 uF, 20%, 50 VDC, SMD, MnO₂, Molded, Multiple Anodes, Low ESR, 90 mOhms, 4.3 mm, 2817 / 7343



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General Information

Series	T510
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Multiple Anodes, Low ESR
Features	Low ESR
RoHS	Yes
Termination	Tin
Typical Component Weight	430.15 mg
Shelf Life	156 Weeks
MSL	1

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

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)

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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