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General Information

Series	T510
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, Multiple Anodes, Low ESR
Features	Low ESR
RoHS	Yes
Termination	Tin
Typical Component Weight	430.15 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	680 uF
Tolerance	10%
Voltage DC	6.3 VDC (85C), 4.22 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	23 mOhms (100kHz 25C)
Ripple Current	3426 mA (rms, 100kHz 25C), 3083.4 mA (rms, 85C), 1370.4 mA (rms, 125C)
Leakage Current	42.8 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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