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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	680 uF
Tolerance	20%
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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