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General Information

Series	T499
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Hi-Temp, 175C, Auto, AEC-Q200
Features	Automotive, 175C
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
Typical Component Weight	224.48 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	10 uF
Tolerance	10%
Voltage DC	25 VDC (85C), 19.44 VDC (125C), 12.5 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	1500 mOhms (100kHz 25C)
Ripple Current	271 mA (rms, 100kHz 25C), 243.9 mA (rms, 85C), 54.2 mA (rms, 175C)
Leakage Current	2.5 uA (5min 25°C)

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

Dimensions

L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	3.1mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

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