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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	446.84 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	47 uF
Tolerance	10%
Voltage DC	16 VDC (85C), 12.44 VDC (125C), 8 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	800 mOhms (100kHz 25C)
Ripple Current	433 mA (rms, 100kHz 25C), 389.7 mA (rms, 85C), 86.6 mA (rms, 175C)
Leakage Current	7.5 uA (5min 25°C)

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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