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**General Information**

Series	T499
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Hi-Temp, 175C, Auto, AEC-Q200
Features	Automotive, 175C
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
Typical Component Weight	652.04 mg
Shelf Life	156 Weeks
MSL	1

**Specifications**

Capacitance	33 uF
Tolerance	10%
Voltage DC	35 VDC (85C), 27.22 VDC (125C), 17.5 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	600 mOhms (100kHz 25C)
Ripple Current	524 mA (rms, 100kHz 25C), 471.6 mA (rms, 85C), 104.8 mA (rms, 175C)
Leakage Current	11.6 uA (5min 25°C)

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	500

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

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