

T499A335K010ATE6KO

T499, Tantalum, MnO₂ Tantalum, High Temperature, 3.3 uF, 10%, 10 VDC, SMD, MnO₂, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 6 Ohms, 3216, Height Max = 1.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

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
AEC-Q200	Yes
Component Weight	58.6 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	3.3 uF
Capacitance Tolerance	10%
Voltage DC	10 VDC (85C), 7.78 VDC (125C), 5 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
Resistance	6000 mOhms (100kHz 25C)
Ripple Current	112 mA (rms, 100kHz 25C), 100.8 mA (rms, 85C), 22.4 mA (rms, 175C)
Leakage Current	0.5 uA (5min 25°C)

Dimensions

Footprint	3216
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.6mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	1.2mm +/-0.1mm
A	1.2mm MIN
B	0.4mm +/-0.15mm
E	1.3mm REF
G	1.1mm REF
P	0.4mm REF
R	0.4mm REF
X	0.1mm +/-0.1mm

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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