

T499, Tantalum, MnO2 Tantalum, High Temperature, 1 uF, 10%, 16 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 10 Ohms, 3216, Height Max = 1.8mm



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	
Weight:	58.6 mg
Packaging:	T&R, 178mm
Packaging Quantity:	2000

General Information	
Supplier:	KEMET
Series:	T499
Dielectric:	MnO2 Tantalum
Style:	SMD Chip
Description:	SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200
Features:	Automotive, 175C
RoHS:	Yes
Termination:	Tin
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Shelf Life:	156 Weeks
MSL:	1

Specifications	
Capacitance:	1 uF
Capacitance Tolerance:	10%
Voltage DC:	16 VDC (85C), 12.44 VDC (125C), 5.3 VDC (175C)
Temperature Range:	-55/+175C
Rated Temperature:	85C
Dissipation Factor:	4.00% 120Hz 20C
Failure Rate:	N/A
Resistance:	10000 mOhms (100kHz)
Ripple Current:	87 mAmps (100kHz 25C), 78.3 mAmps (85C), 17.4 mAmps (175C)
Leakage Current:	0.5 uA (5min 20C)

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