

## T499C106K016ATE1K8

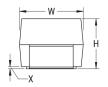
T499, Tantalum, MnO2 Tantalum, High Temperature, 10 uF, 10%, 16 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 1.8 Ohms, 6032, Height Max = 2.8mm

**CATHODE (-) END VIEW** 



B

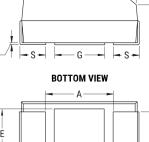
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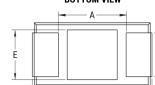


ANODE (+) END VIEW

R

Ρ





Termination cutout at KEMET's option, either end

Click here for the 3D model.

Dimensions	
Footprint	6032
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
Н	2.5mm +/-0.3mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
А	3.1mm MIN
В	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
Р	0.9mm REF
R	1mm REF
Х	0.1mm +/-0.1mm

т

Packaging Specifications	
Packaging	T&R, 178mm
Packaging Quantity	500

General Information	
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
Component Weight	224.48 mg
Shelf Life	156 Weeks
MSL	1

Specifications	
Capacitance	10 uF
Capacitance Tolerance	10%
Voltage DC	16 VDC (85C), 12.44 VDC (125C), 8 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
<b>Dissipation Factor</b>	6% 120Hz 25C
Failure Rate	N/A
Resistance	1800 mOhms (100kHz 25C)
Ripple Current	247 mA (rms, 100kHz 25C), 222.3 mA (rms, 85C), 49.4 mA (rms, 175C)
Leakage Current	1.6 uA (5min 25°C)

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