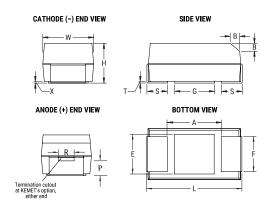
KEMET Part Number: T499A105K016ATE10K



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	
Н	1.6mm +/-0.2mm	
Т	0.13mm REF	
S	0.8mm +/-0.3mm	
F	1.2mm +/-0.1mm	
A	1.2mm MIN	
В	0.4mm +/-0.15mm	
E	1.3mm REF	
G	1.1mm REF	
Р	0.4mm REF	
R	0.4mm REF	
Х	0.1mm +/-0.1mm	

Packaging Specifications		
Packaging:	T&R, 178mm	
Packaging Quantity:	2000	

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:	58.6 mg	
Shelf Life:	156 Weeks	
MSL:	1	

Specifications		
Capacitance:	1 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	
Dissipation Factor:	4% 120Hz 25C	
Failure Rate:	N/A	
Resistance:	10000 mOhms (100kHz 25C)	
Ripple Current:	87 mA (rms, 100kHz 25C), 78.3 mA (rms, 85C), 17.4 mA (rms, 175C)	
Leakage Current:	0.5 uA (5min 25°C)	

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