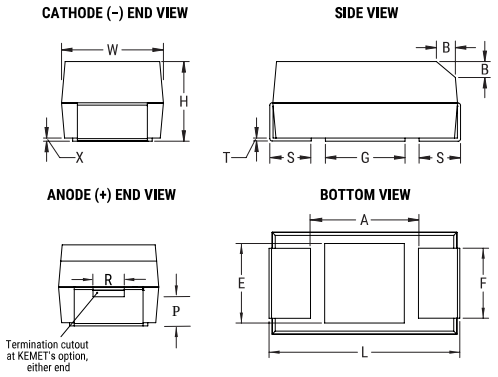
KEMET Part Number: T499A105K035ATE10K

T499, Tantalum, MnO2 Tantalum, High Temperature, 1 uF, 10%, 35 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 10 Ohms, 3216, Height Max = 1.8mm



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
Shelf Life:	156 Weeks
MSL:	1

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

Specifications	
Capacitance:	1 uF
Capacitance 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:	4% 120Hz 20C
Failure Rate:	N/A
Resistance:	10000 mOhms (100kHz)
Ripple Current:	87 mA (rms, 100kHz 25C), 78.3 mA (rms, 85C), 17.4 mA (rms, 175C)
Leakage Current:	0.5 uA (5min 20°C)

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

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