T498A155M010ATE6K5
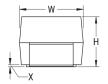
T498, Tantalum, MnO2 Tantalum, High Temperature, 1.5 uF, 20%, 10 VDC, SMD, MnO2, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 6.5 Ohms, 3216, Height Max = 1.8mm
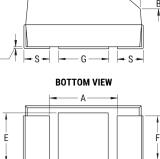
CATHODE (−) END VIEW

SIDE VIEW

ANODE (+) END VIEW

Termination cutout at KEMET's option, either end

BOTTOM VIEW

Click here for the 3D model.

General Information

Series	T498
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, Hi-Temp, 150C, Auto, AEC-Q200
Features	Automotive, 150C
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	58.6 mg
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	1.5 uF
Capacitance Tolerance	20%
Voltage DC	10 VDC (85C), 8 VDC (125C), 6.7 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	85°C
Dissipation Factor	4.5% 120Hz 25C
Failure Rate	N/A
Resistance	6500 mOhms (100kHz 25C)
Ripple Current	107 mA (rms, 100kHz 25C), 96.3 mA (rms, 85C), 32.1 mA (rms, 150C)
Leakage Current	0.5 uA (5min 25°C)

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000