

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

## General Information

Series	T490
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Low Profile, Consumer
RoHS	Yes
Termination	Tin
AEC-Q200	No
Typical Component Weight	63.89 mg
Shelf Life	156 Weeks
MSL	1

## Dimensions

L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.1mm +/-0.1mm
T	0.13mm REF
S	0.8mm +0.2/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
E	2.2mm REF
G	1.8mm REF
X	0.05mm REF

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2500

## Specifications

Capacitance	47 uF
Tolerance	20%
Voltage DC	10 VDC (40C), 5 VDC (85C), 2 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	40°C
Humidity	40C, 93% RH, 1000 Hours, No Load
Failure Rate	N/A
ESR	1 Ohms (100kHz 25C)
Ripple Current	265 mAmps (100kHz 25C), 238.5 mAmps (40C), 106 mAmps (125C)
Leakage Current	4.7 uA (5min 25°C)