

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

### 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 +0.2/-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

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

### General Information

Series	T490
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Consumer
RoHS	Yes
Termination	Tin
AEC-Q200	No
Component Weight	58.6 mg
Shelf Life	156 Weeks
MSL	1

### Specifications

Capacitance	68 uF
Capacitance Tolerance	20%
Voltage DC	6 VDC (40C), 3 VDC (85C), 1.2 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	40°C
Humidity	40C, 93% RH, 1000 Hours, No Load
Failure Rate	N/A
Resistance	1 Ohms (100kHz 25C)
Ripple Current	274 mAmps (100kHz 25C), 246.6 mAmps (40C), 109.6 mAmps (125C)
Leakage Current	4.1 uA (5min 25°C)