

T490, Tantalum, MnO2 Tantalum, Consumer, 47 uF, 20%, 10 VDC, SMD, MnO2, Molded, Consumer, 1 Ohms, 3216, Height Max = 1.8mm



General Information

Series:	T490
Dielectric:	MnO2 Tantalum
Style:	SMD Chip
Description:	SMD, MnO2, Molded, Consumer
RoHS:	Yes
Termination:	Tin
AEC-Q200:	No
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 +0.2/-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

Specifications

Capacitance:	47 uF
Capacitance 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
Resistance:	1 Ohms (100kHz 25C)
Ripple Current:	274 mAmps (100kHz 25C), 246.6 mAmps (40C), 109.6 mAmps (125C)
Leakage Current:	4.7 uA (5min 25°C)

Packaging Specifications

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