

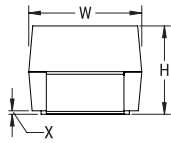


**THE DATASHEET OF
T490T476M006ATE800**

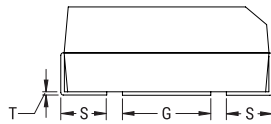


T490, Tantalum, MnO2 Tantalum, Consumer, 47 uF, 20%, 6.3 VDC, SMD, MnO2, Molded, Low Profile, Consumer, 800 mOhms, 3528, Height Max = 1.2mm

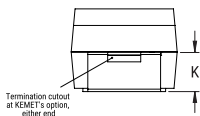
CATHODE (-) END VIEW



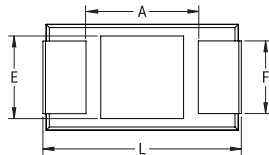
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Dimensions	
Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.2mm MAX
T	0.13mm REF
S	0.8mm +0.1/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
E	2.2mm REF
G	1.8mm REF
X	0.05mm REF

General Information	
Series:	T490
Dielectric:	MnO2 Tantalum
Style:	SMD Chip
Description:	SMD, MnO2, Molded, Low Profile, Consumer
RoHS:	Yes
Termination:	Tin
Shelf Life:	156 Weeks
MSL:	1

Specifications	
Capacitance:	47 uF
Capacitance Tolerance:	20%
Voltage DC:	6.3 VDC (40C), 3.15 VDC (85C), 1.26 VDC (125C)
Temperature Range:	-55/+125C
Rated Temperature:	40°C
Humidity:	40C, 93% RH, 1000 Hours, No Load
Failure Rate:	N/A
Resistance:	0.8 Ohms (100kHz)
Ripple Current:	295 mAmps (100kHz 25C), 265.5 mAmps (40C), 118 mAmps (125C)
Leakage Current:	2.8 uA (5min 20C)

Packaging Specifications	
Weight:	63.89 mg
Packaging:	T&R, 178mm
Packaging Quantity:	3000

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