

## T521T476M12RATE090

T521, Tantalum, Polymer Tantalum, 47 uF, 20%, 12.5 VDC, SMD, Polymer, Molded, Low Profile/ESR, NonCombustible, 90 mOhms, 3528, Height Max = 1.2mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

### Dimensions

Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.1mm +/-0.1mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
X	0.05mm REF

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	3000

### General Information

Series	T521
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low Profile/ESR, NonCombustible
Features	Low ESR, High Voltage
RoHS	Yes
Termination	Tin
AEC-Q200	No
Component Weight	54.84 mg
Shelf Life	52 Weeks
MSL	3

### Specifications

Capacitance	47 uF
Capacitance Tolerance	20%
Voltage DC	12.5 VDC (105C)
Temperature Range	-55/+105°C
Rated Temperature	105°C
Life	2000 Hrs (105C)
Humidity	60C, 90% RH, 500 Hours, No Load
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
Resistance	90 mOhms (100kHz 25C)
Ripple Current	1330 mA (rms, 100kHz 45C), 931 mA (rms, 85C), 332.5 mA (rms, 105C)
Leakage Current	58.8 uA (5min 25°C)

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