

# T520B476M008AHE070

T520, Tantalum, Polymer Tantalum, Commercial Grade, 47 uF, 20%, 8 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 70 mOhms, 2 mm, 1411 / 3528



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

## General Information

Series	T520
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features	Low ESR
RoHS	No
Prop 65	<b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>
SCIP Number	b064b03e-bd75-42af-b342-1fe94dec2340
Termination	Tin Lead (SnPb)
Typical Component Weight	94.85 mg
Shelf Life	52 Weeks
MSL	3

## Dimensions

L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.1mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
B	0.4mm +/-0.15mm
P	0.5mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

## Specifications

Capacitance	47 uF
Tolerance	20%
Voltage DC	8 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
ESR	70 mOhms (100kHz 25C)
Ripple Current	1350 mA (rms, 100kHz 45C), 910 mA (rms, 85C), 325 mA (rms, 105C)
Leakage Current	37.6 uA (5min 25°C)

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