

# T520D477M2R5ATE009

T520, Tantalum, Polymer Tantalum, Commercial Grade, 470 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 9 mOhms, 3.1 mm, 2817 / 7343



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	Yes
Termination	Tin
Typical Component Weight	434.83 mg
Shelf Life	52 Weeks
MSL	3

## Specifications

Capacitance	470 uF
Tolerance	20%
Voltage DC	2.5 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	10% 120Hz 25C
Failure Rate	N/A
ESR	9 mOhms (100kHz 25C)
Ripple Current	5000 mA (rms, 100kHz 45C), 3500 mA (rms, 85C), 1250 mA (rms, 105C)
Leakage Current	117.5 uA (5min 25°C)

## Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	2.8mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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