

# T521D475M063AHE075

T521, Tantalum, Polymer Tantalum, Commercial Grade, 4.7 uF, 20%, 63 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 75 mOhms, 3.1 mm, 2817 / 7343



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

## General Information

Series	T521
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features	Low ESR, High Voltage
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	434.83 mg
Shelf Life	52 Weeks
MSL	3

## 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

## Specifications

Capacitance	4.7 uF
Tolerance	20%
Voltage DC	63 VDC (105C), 42.21 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	105°C
Life	2000 Hrs (125C)
Humidity	60C, 90% RH, 500 Hours, No Load
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
ESR	75 mOhms (100kHz 25C)
Ripple Current	2050 mA (rms, 100kHz 45/85C), 1435 mA (rms, 105C), 512.5 mA (rms, 125C)
Leakage Current	29.6 uA (5min 25°C)

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