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**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
Typical Component Weight	274.3 mg
Shelf Life	52 Weeks
MSL	3

**Dimensions**

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	1.8mm +/-0.2mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
X	0.05mm REF

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	1000

**Specifications**

Capacitance	47 uF
Tolerance	20%
Voltage DC	16 VDC (105C), 12.8 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	80 mOhms (100kHz 25C)
Ripple Current	1840 mA (rms, 100kHz 45/85C), 1288 mA (rms, 105C), 460 mA (rms, 125C)
Leakage Current	75.2 uA (5min 25°C)

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