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General Information

Series	T521
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features	Low ESR, High Voltage
RoHS	Yes
Termination	Nickel Palladium Gold
AEC-Q200	No
Typical Component Weight	695.9 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	470 uF
Tolerance	20%
Voltage DC	16 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	70 mOhms (100kHz 25C)
Ripple Current	2070 mA (rms, 100kHz 45C), 1449 mA (rms, 85C), 517.5 mA (rms, 105C)
Leakage Current	752 uA (5min 25°C)

Dimensions

L	7.3mm +/-0.3mm
W	6mm +/-0.3mm
H	4mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	4.1mm +/-0.1mm
A	3.3mm MIN
X	0.1mm +/-0.1mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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