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General Information

Series	T522
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low Profile, Low ESR/Leakage
Features	Low ESR, Low Leakage
RoHS	No
Prop 65	WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/
SCIP Number	b064b03e-bd75-42af-b342-1fe94dec2340
Termination	Tin Lead (SnPb)
Typical Component Weight	274.3 mg
Shelf Life	52 Weeks
MSL	3

Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	1.9mm +/-0.1mm
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	330 uF
Tolerance	20%
Voltage DC	6.3 VDC (105C)
Temperature Range	-55/+105°C
Rated Temperature	105°C
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
ESR	40 mOhms (100kHz 25C)
Ripple Current	2200 mA (rms, 100kHz 45C), 1540 mA (rms, 85C), 550 mA (rms, 105C)
Leakage Current	62.4 uA (10min 25°C)

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