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**General Information**

Series	T522
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, Low Leakage
Features	Low ESR, Low Leakage
RoHS	Yes
Termination	Tin
Typical Component Weight	493.99 mg
Shelf Life	52 Weeks
MSL	3

Dimensions	
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	3.8mm +/-0.2mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
P	1.7mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

Specifications	
Capacitance	470 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	35 mOhms (100kHz 25C)
Ripple Current	2600 mA (rms, 100kHz 45C), 1820 mA (rms, 85C), 650 mA (rms, 105C)
Leakage Current	88.8 uA (10min 25°C)

Packaging Specifications	
Packaging	T&R, 178mm
Packaging Quantity	500

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