

T530D687M2R5ATE010

T530, Tantalum, Polymer Tantalum, Multi-Anode, 680 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Multiple Anodes, Low ESR, 10 mOhms, 3.1 mm, 2817 / 7343



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General Information

Series	T530
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Multiple Anodes, Low ESR
Features	Low ESR
RoHS	Yes
Termination	Tin
Typical Component Weight	307.51 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	680 uF
Tolerance	20%
Voltage DC	2.5 VDC (105C), 1.68 VDC (125C)
Temperature Range	-55/ +125°C
Rated Temperature	105°C
Life	2000 Hrs (125C)
Humidity	60C, 90% RH, 1000 Hours, No Load
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
ESR	10 mOhms (100kHz 25C)
Ripple Current	5000 mA (rms, 100kHz 45C), 3500 mA (rms, 85C), 1250 mA (rms, 125C)
Leakage Current	170 uA (5min 25°C)

Dimensions	
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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

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