

# T598V157M006AHS045

T598, Tantalum, Polymer Tantalum, Commercial Grade, 150 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 45 mOhms, 2 mm, 2817 / 7343



Click [here](#) for the 3D model.

## General Information

Series	T598
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, AEC-Q200
Features	Automotive (Surge testing at 25C +/-5C / 10 cycles)
RoHS	No
Prop 65	<b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>
SCIP Number	b064b03e-bd75-42af-b342-1fe94dec2340
Termination	Tin Lead (SnPb)
Qualifications	AEC-Q200
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	150 uF
Tolerance	20%
Voltage DC	6.3 VDC (105C), 4.22 VDC (125C)
Temperature Range	-55/ +125°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 1000 Hours
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
ESR	45 mOhms (100kHz 25C)
Ripple Current	2980 mA (rms, 100kHz 45C), 2086 mA (rms, 105C), 745 mA (rms, 125C)
Leakage Current	94.5 uA (5min 25°C)

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