


 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	434.8 mg
Shelf Life	52 Weeks
MSL	3

### Dimensions

L	7.3mm +/-0.3mm	Capacitance	33 uF
W	4.3mm +/-0.3mm	Tolerance	20%
H	2.8mm +/-0.3mm	Voltage DC	35 VDC (105C), 23.45 VDC (125C)
T	0.13mm REF	Temperature Range	-55/+125C
S	1.3mm +/-0.3mm	Rated Temperature	105C
F	2.4mm +/-0.1mm	Humidity	85C, 85% RH, load, 1000 Hours
A	3.8mm MIN	Dissipation Factor	10% 120Hz 25C
B	0.5mm +/-0.15mm	Failure Rate	N/A
P	0.9mm REF	ESR	65 mOhms (100kHz 25C)
R	1mm REF	Ripple Current	2630 mA (rms, 100kHz 45C), 1841 mA (rms, 105C), 657.5 mA (rms, 125C)
X	0.1mm +/-0.1mm REF	Leakage Current	115.5 uA (5min 25C)

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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