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**General Information**

Series	T597
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, AEC-Q200
Features	Face Down, Automotive
RoHS	Yes
Termination	Nickel Palladium Gold
Qualifications	AEC-Q200
Typical Component Weight	26.2 mg
Shelf Life	52 Weeks
MSL	3

**Specifications**

Capacitance	47 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	200 mOhms (100kHz 25C)
Ripple Current	570 mA (rms, 100kHz 45C), 513 mA (rms, 85C), 142.5 mA (rms, 125C)
Leakage Current	88.8 uA (5min 25°C)

**Dimensions**

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.1mm +/-0.1mm
S	0.8mm +/-0.2mm
F	1.2mm +/-0.1mm

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	3000

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