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**General Information**

Series	T591
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR
Features	Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200 (Limited 500 Hrs 85C/85% RH/Ur)
Typical Component Weight	554 mg
Shelf Life	52 Weeks
MSL	3

**Dimensions**

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	4mm +/-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	1.7mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

**Specifications**

Capacitance	47 uF
Tolerance	20%
Voltage DC	35 VDC (105C), 23.45 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 500 Hours
Dissipation Factor	9% 120Hz 25C
Failure Rate	N/A
ESR	75 mOhms (100kHz 25C)
Ripple Current	2580 mA (rms, 100kHz 45C), 1806 mA (rms, 105C), 645 mA (rms, 125C)
Leakage Current	164.5 uA (5min 25°C)

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	500

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