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**General Information**

Series	T593
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, High Humidity
Features	High Humidity
RoHS	Yes
Termination	Nickel Palladium Gold
Typical Component Weight	274.3 mg
Shelf Life	52 Weeks
MSL	3

**Specifications**

Capacitance	47 uF
Tolerance	20%
Voltage DC	35 VDC (105C)
Temperature Range	-55/+105°C
Rated Temperature	105°C
Life	2000 Hrs (105C)
Humidity	85C, 85% RH, 1000 Hours, VR
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
ESR	100 mOhms (100kHz 25C)
Ripple Current	2030 mA (rms, 100kHz 45C), 1421 mA (rms, 85C), 507.5 mA (rms, 105C)
Leakage Current	164.5 uA (5min 25°C)

**Dimensions**

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	1.9mm +/-0.1mm
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	1000

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