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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	222.95 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	1988 mA (rms, 100kHz 45C), 1391.6 mA (rms, 85C), 497 mA (rms, 105C)
Leakage Current	164.5 uA (5min 25°C)

Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	1.4mm +/-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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