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General Information

Series	T527
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Face Down Terminals
Features	Face Down, Low Profile, Low ESR
RoHS	Yes
Termination	Tin
Typical Component Weight	70.12 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	100 uF
Tolerance	20%
Voltage DC	6.3 VDC (105C)
Temperature Range	-55/+105°C
Rated Temperature	105°C
Life	1000 Hrs (105C)
Humidity	60C, 90% RH, 500 Hours, No Load
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
ESR	200 mOhms (100kHz 25C)
Ripple Current	775 mA (rms, 100kHz 45C), 542.5 mA (rms, 85C), 193.75 mA (rms, 105C)
Leakage Current	63 uA (5min 25°C)

Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	0.9mm +/-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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