



Click [here](#) for the 3D model.

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	70 mOhms (100kHz 25C)
Ripple Current	1134 mA (rms, 100kHz 45C), 793.8 mA (rms, 85C), 283.5 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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.