

T521T685M025ATE100

Aliases (TEPSLB31E685M1008R)

T521, Tantalum, Polymer Tantalum, 6.8 uF, 20%, 25 VDC, SMD, Polymer, Molded, Low Profile/ESR, NonCombustible, 100 mOhms, 3528, Height Max = 1.2mm

No Drawing Available.
Click [here](#) for the 3D model.

Dimensions

Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.1mm +/-0.1mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
X	0.05mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	3000

General Information

Series	T521
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low Profile/ESR, NonCombustible
Features	Low ESR, High Voltage
RoHS	Yes
Termination	Tin
AEC-Q200	No
Component Weight	54.84 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	6.8 uF
Capacitance Tolerance	20%
Voltage DC	25 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
Resistance	100 mOhms (100kHz 25C)
Ripple Current	866 mA (rms, 100kHz 45C), 606.2 mA (rms, 85C), 216.5 mA (rms, 105C)
Leakage Current	34 uA (5min 25°C)

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.

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