

T500, Tantalum, MnO₂ Tantalum, High Temperature, 6.8 uF, 20%, 6.3 VDC, SMD, MnO₂, Molded, High Temperature, 200C, N/A, 3.5 Ohms, 3528, Height Max = 2.1mm



Dimensions

Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.2mm
T	0.13mm REF
S	0.8mm +0.1/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
B	0.4mm +/-0.15mm
E	2.2mm REF
G	1.8mm REF
P	0.5mm REF
R	1mm REF
X	0.1mm +/-0.1mm

Packaging Specifications

Packaging:	T&R, 178mm
Packaging Quantity:	2000

General Information

Series:	T500
Dielectric:	MnO ₂ Tantalum
Style:	SMD Chip
Description:	SMD, MnO ₂ , Molded, High Temperature, 200C
Features:	200C
RoHS:	Yes
Termination:	Gold
AEC-Q200:	No
Shelf Life:	156 Weeks
MSL:	1

Specifications

Capacitance:	6.8 uF
Capacitance Tolerance:	20%
Voltage DC:	6.3 VDC (85C), 5.04 VDC (125C), 2.52 VDC (200C)
Temperature Range:	-55/+200°C
Rated Temperature:	85°C
Humidity:	85C, 85% RH, 0 V, 1000 Hours
Dissipation Factor:	6% 120Hz 20C
Failure Rate:	N/A
Resistance:	3500 mOhms (100kHz 20C)
Ripple Current:	156 mA (rms, 100kHz 25C), 62 mA (rms, 100kHz 125C), 16 mA (rms, 100kHz 200C)
Leakage Current:	0.5 uA (5min 20°C)