

T502B106K016AG61107280

T502, Tantalum, MnO₂ Tantalum, High Temperature, 10 uF, 10%, 16 VDC, SMD, MnO₂, Un-Encapsulated, High Temperature, 230C, N/A, 2.8 Ohms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

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, 330mm
Packaging Quantity	8000

General Information

Series	T502
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Un-Encapsulated, High Temperature, 230C
Features	230C
RoHS	Yes
Termination	Gold
AEC-Q200	No
Component Weight	63 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	10 uF
Capacitance Tolerance	10%
Voltage DC	16 VDC (85C), 13.1VDC (125C), 5.3 VDC (230C)
Temperature Range	-55/+230°C
Rated Temperature	85°C
Humidity	85C, 85% RH, 0 V, 500 Hours
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
Resistance	2.8 Ohms (100kHz 25C)
Ripple Current	174 mA (rms, 100kHz 45C)
Leakage Current	1.6 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.