

## T500B685K010AG6110

T500, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 6.8 uF, 10%, 10 VDC, SMD, MnO<sub>2</sub>, Molded, High Temperature, 200C, 3.5 Ohms, 2.1 mm, 1411 / 3528



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

### General Information

Series	T500
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, High Temperature, 200C
Features	200C
RoHS	Yes
Termination	Gold
Shelf Life	156 Weeks
MSL	1

### Dimensions

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 REF

### Specifications

Capacitance	6.8 uF
Tolerance	10%
Voltage DC	10 VDC (85C), 6.6 VDC (125C), 4 VDC (200C)
Temperature Range	-55/+200°C
Rated Temperature	85°C
Humidity	85C, 85% RH, 0 V, 1000 Hours
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	3500 mOhms (100kHz 25C)
Ripple Current	156 mA (rms, 100kHz 25C), 62 mA (rms, 100kHz 125C), 16 mA (rms, 100kHz 200C)
Leakage Current	0.7 uA (5min 25°C)
Testing and Reliability	Standard Testing Only

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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