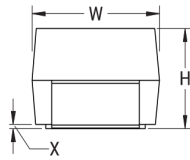


## T502C685K025AG6110

T502, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 6.8 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Un-Encapsulated, High Temperature, 230C, N/A, 1.9 Ohms, 6032, Height Max = 2.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

### Dimensions

Footprint	6032
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	2.9mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

### General Information

Series	T502
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Un-Encapsulated, High Temperature, 230C
Features	230C
RoHS	Yes
Termination	Gold
AEC-Q200	No
Component Weight	214 mg
Shelf Life	156 Weeks
MSL	1

### Specifications

Capacitance	6.8 uF
Capacitance Tolerance	10%
Voltage DC	25 VDC (85C), 20.5 VDC (125C), 8.25 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	1.9 Ohms (100kHz 25C)
Ripple Current	271 mA (rms, 100kHz 45C)
Leakage Current	1.7 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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