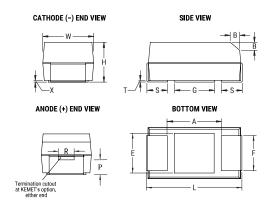
## KEMET Part Number: T500D685K050AG6110



T500, Tantalum, MnO2 Tantalum, High Temperature, 6.8 uF, 10%, 50 VDC, SMD, MnO2, Molded, High Temperature, 200C, N/A, 1 Ohms, 7343, Height Max = 3.1mm



Series:	T500	
Dielectric:	MnO2 Tantalum	
Style:	SMD Chip	
Description:	SMD, MnO2, Molded, High Temperature, 200C	
Features:	200C	
RoHS:	Yes	
Termination:	Gold	
AEC-Q200:	No	
Shelf Life:	156 Weeks	
MSL:	1	

**General Information** 

Dimensions	
Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
Н	2.8mm +/-0.3mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
Α	3.8mm MIN
В	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
Р	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

Specifications	
Capacitance:	6.8 uF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC (85C), 40 VDC (125C), 20 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:	1000 mOhms (100kHz 20C)
Ripple Current:	387 mA (rms, 100kHz 25C), 155 mA (rms, 100kHz 125C), 39 mA (rms, 100kHz 200C)
Leakage Current:	3.4 uA (5min 20°C)

Packaging Specifications	
Packaging:	T&R, 178mm
Packaging Quantity:	500

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