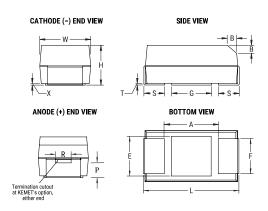
## KEMET Part Number: T500B685M006AG6110



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	
Н	1.9mm +/-0.2mm	
Т	0.13mm REF	
S	0.8mm +0.1/-0.3mm	
F	2.2mm +/-0.1mm	
Α	1.9mm MIN	
В	0.4mm +/-0.15mm	
E	2.2mm REF	
G	1.8mm REF	
Р	0.5mm REF	
R	1mm REF	
Х	0.1mm +/-0.1mm	

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

General Information		
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	

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)	

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