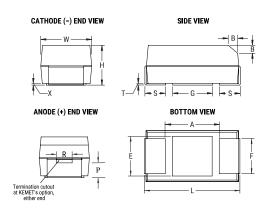
## KEMET Part Number: T500D685M050AG6110



T500, Tantalum, MnO2 Tantalum, High Temperature, 6.8 uF, 20%, 50 VDC, SMD, MnO2, Molded, High Temperature, 200C, N/A, 1 Ohms, 7343, Height Max = 3.1mm



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	
Х	0.1mm +/-0.1mm	

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

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:	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)	

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