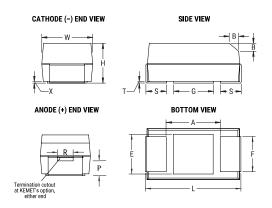
## KEMET Part Number: T500C686K006AG6110



T500, Tantalum, MnO2 Tantalum, High Temperature, 68 uF, 10%, 6.3 VDC, SMD, MnO2, Molded, High Temperature, 200C, N/A, 1.2 Ohms, 6032, Height Max = 2.8mm



Dimensions		
Footprint	6032	
L	6mm +/-0.3mm	
W	3.2mm +/-0.3mm	
Н	2.5mm +/-0.3mm	
Т	0.13mm REF	
S	1.3mm +/-0.3mm	
F	2.2mm +/-0.1mm	
Α	2.9mm MIN	
В	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:	T500	
Dielectric:	MnO2 Tantalum	
Style:	SMD Chip	
Description:	SMD, MnO2, Molded, High Temperature, 200C	
Features:	200C	
RoHS:	Yes	
Termination:	Gold	
AEC-Q200:	No	
Notes:	In polarity stripe, at KEMET's option, type may be indicated: no symbol = Standard (or low leakage) MnO2 tantalum chip, O = LowESR T494, R = Low ESR T495, F = Fused T496, HT = 150C rated T498 (or B45196P, B45198P), H = 175C rated T499, H2 = 200C rated T50	
Shelf Life:	156 Weeks	
MSL:	1	

Specifications		
Capacitance:	68 uF	
Capacitance Tolerance:	10%	
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:	1200 mOhms (100kHz 20C)	
Ripple Current:	303 mA (rms, 100kHz 25C), 121 mA (rms, 100kHz 125C), 30 mA (rms, 100kHz 200C)	
Leakage Current:	4.3 uA (5min 20°C)	

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