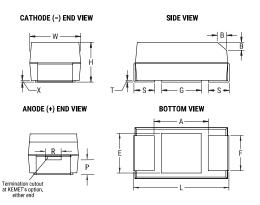
## KEMET Part Number: T500C476K006AG6110



T500, Tantalum, MnO2 Tantalum, High Temperature, 47 uF, 10%, 6.3 VDC, SMD, MnO2, Molded, High Temperature, 200C, N/A, 1.8 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	
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	
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:	47 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:	1800 mOhms (100kHz 20C)	
Ripple Current:	247 mA (rms, 100kHz 25C), 99 mA (rms, 100kHz 125C), 25 mA (rms, 100kHz 200C)	
Leakage Current:	3 uA (5min 20°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.

