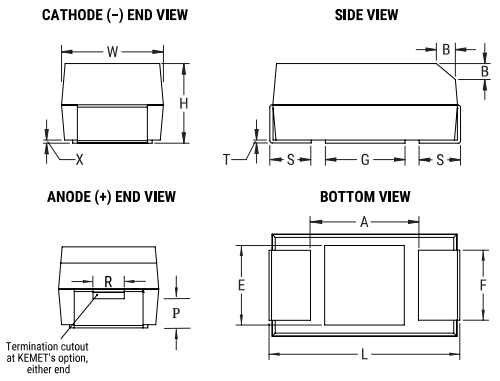
KEMET Part Number: T500C476M006AG6110

T500, Tantalum, MnO2 Tantalum, High Temperature, 47 uF, 20%, 6.3 VDC, SMD, MnO2, Molded, High Temperature, 200C, N/A, 1.8 Ohms, 6032, Height Max = 2.8mm



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

Dimensions	
Footprint	6032
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	2.9mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

Specifications	
Capacitance:	47 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:	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)

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