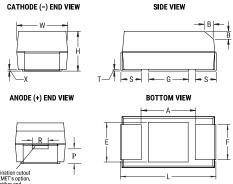
KEMET Part Number: T491C476K016AT



T491, Tantalum, MnO2 Tantalum, 47 uF, 10%, 16 VDC, SMD, MnO2, Molded, 1 Ohms, 6032, Height Max = 2.8mm



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	Termination cutout at KEMET's option, either end		
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	Dimensions		
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	Footprint	6032	
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	L	6mm +/-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	W	3.2mm +/-0.3mm	
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	Н	2.5mm +/-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	т	0.13mm REF	
A 2.9mm MIN B 0.5mm +/-0.15mm E 2.4mm REF G 2.8mm REF P 0.9mm REF R 1mm REF	S	1.3mm +/-0.3mm	
B 0.5mm +/-0.15mm E 2.4mm REF G 2.8mm REF P 0.9mm REF R 1mm REF	F	2.2mm +/-0.1mm	
E 2.4mm REF G 2.8mm REF P 0.9mm REF R 1mm REF	Α	2.9mm MIN	
G 2.8mm REF P 0.9mm REF R 1mm REF	В	0.5mm +/-0.15mm	
P 0.9mm REF R 1mm REF	E	2.4mm REF	
R 1mm REF	G	2.8mm REF	
	Р	0.9mm REF	
X 0.1mm +/-0.1mm	R	1mm REF	
	Х	0.1mm +/-0.1mm	

Packaging Specifications		
Weight:	224.48 mg	
Packaging:	T&R, 178mm	
Packaging Quantity:	500	

General Information		
Supplier:	KEMET	
Series:	T491	
Dielectric:	MnO2 Tantalum	
Style:	SMD Chip	
Description:	SMD, MnO2, Molded	
RoHS:	Yes	
Termination:	Tin	
Shelf Life:	156 Weeks	
MSL:	1	

Specifications		
Capacitance:	47 uF	
Capacitance Tolerance:	10%	
Voltage DC:	16 VDC (85C), 10.72 VDC (125C)	
Temperature Range:	-55/+125C	
Rated Temperature:	85C	
Dissipation Factor:	6.00% 120Hz 20C	
Failure Rate:	N/A	
Resistance:	1 Ohms (100kHz)	
Ripple Current:	332 mAmps (100kHz 25C), 298.8 mAmps (85C), 132.8 mAmps (125C)	
Leakage Current:	7.5 uA (5min 20C)	

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.

