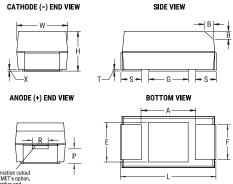
## KEMET Part Number: T491C476K016AT



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)	

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