

**KEMET Part Number: T491C105K050AT**  
(B45196E7105K309)

Tantalum, MnO<sub>2</sub> Tantalum, T491, 1 uF, 10%, 50 V, 6032, SMD, MnO<sub>2</sub>, Molded, 4.8 Ohms, 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

**Packaging Specifications**

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

**General Information**

Dielectric:	MnO <sub>2</sub> Tantalum
Style:	SMD Chip
Series:	T491
Description:	SMD, MnO <sub>2</sub> , Molded
RoHS:	Yes
Termination:	Tin

**Specifications**

Capacitance:	1 uF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC (85C), 33.5 VDC (125C)
Temperature Range:	-55/+125C
Dissipation Factor:	4% 120Hz 20C
Failure Rate:	N/A
Resistance:	4.8 Ohms (100kHz)
Current:	148 mAmps (100kHz 25C), 133.2 mAmps (85C), 59.2 mAmps (125C)
Leakage Current:	0.5 uAmps (5min 20C)