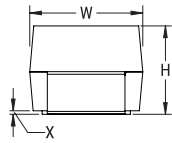
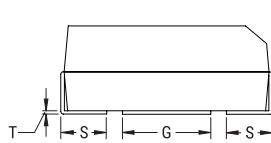


T490, Tantalum, MnO2 Tantalum, Consumer, 47 uF, 20%, 10 VDC, SMD, MnO2, Molded, Low Profile, Consumer, 1 Ohms, 3528, Height Max = 1.2mm

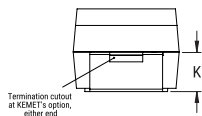
CATHODE (-) END VIEW



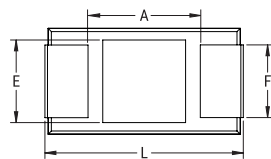
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



**General Information**

<b>Supplier:</b>	KEMET
<b>Series:</b>	T490
<b>Dielectric:</b>	MnO2 Tantalum
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MnO2, Molded, Low Profile, Consumer
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Shelf Life:</b>	156 Weeks
<b>MSL:</b>	1

**Dimensions**

<b>Footprint</b>	3528
<b>L</b>	3.5mm +/-0.2mm
<b>W</b>	2.8mm +/-0.2mm
<b>H</b>	1.2mm MAX
<b>T</b>	0.13mm REF
<b>S</b>	0.8mm +0.1/-0.3mm
<b>F</b>	2.2mm +/-0.1mm
<b>A</b>	1.9mm MIN
<b>E</b>	2.2mm REF
<b>G</b>	1.8mm REF
<b>X</b>	0.05mm REF

**Specifications**

<b>Capacitance:</b>	47 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	10 VDC (40C), 5 VDC (85C), 2 VDC (125C)
<b>Temperature Range:</b>	-55/+125C
<b>Rated Temperature:</b>	40C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	1 Ohms (100kHz)
<b>Ripple Current:</b>	265 mAmps (100kHz 25C), 238.5 mAmps (40C), 106 mAmps (125C)
<b>Leakage Current:</b>	4.7 uA (5min 20C)

**Packaging Specifications**

<b>Weight:</b>	63.89 mg
<b>Packaging:</b>	T&R, 178mm
<b>Packaging Quantity:</b>	3000

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