

T491, Tantalum, MnO2 Tantalum, 1 uF, 20%, 16 VDC, SMD, MnO2, Molded, 10 Ohms, 3216, Height Max = 1.8mm



### General Information

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

### Dimensions

<b>Footprint</b>	3216
<b>L</b>	3.2mm +/-0.2mm
<b>W</b>	1.6mm +/-0.2mm
<b>H</b>	1.6mm +/-0.2mm
<b>T</b>	0.13mm REF
<b>S</b>	0.8mm +0.2/-0.3mm
<b>F</b>	1.2mm +/-0.1mm
<b>A</b>	1.2mm MIN
<b>B</b>	0.4mm +/-0.15mm
<b>E</b>	1.3mm REF
<b>G</b>	1.1mm REF
<b>P</b>	0.4mm REF
<b>R</b>	0.4mm REF
<b>X</b>	0.1mm +/-0.1mm

### Specifications

<b>Capacitance:</b>	1 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	16 VDC (85C), 10.72 VDC (125C)
<b>Temperature Range:</b>	-55/+125C
<b>Rated Temperature:</b>	85C
<b>Dissipation Factor:</b>	4.00% 120Hz 20C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	10 Ohms (100kHz)
<b>Ripple Current:</b>	87 mAmps (100kHz 25C), 78.3 mAmps (85C), 34.8 mAmps (125C)
<b>Leakage Current:</b>	0.5 uA (5min 20C)

### Packaging Specifications

<b>Weight:</b>	58.6 mg
<b>Packaging:</b>	T&R, 178mm
<b>Packaging Quantity:</b>	2000