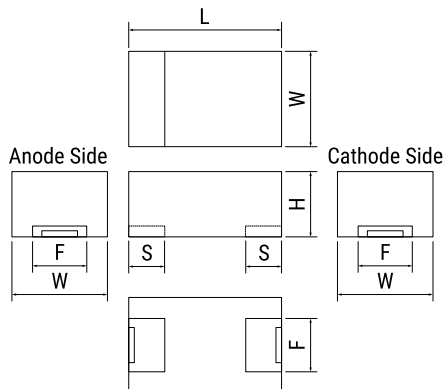


**KEMET Part Number: T529P476M006AAE200**  
(TEGPSP20J476M1508R)

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T529, Tantalum, Polymer Tantalum, Reduced Volume, 47 uF, 20%, 6.3 VDC, SMD, Polymer, Substrate, 200 mOhms, 2012, Height Max = 1mm



**Dimensions**

Footprint	2012
<b>L</b>	2mm +/-0.1mm
<b>W</b>	1.25mm +/-0.1mm
<b>H</b>	1mm MAX
<b>S</b>	0.55mm +/-0.1mm
<b>F</b>	0.9mm +/-0.1mm

**Packaging Specifications**

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

**General Information**

<b>Series:</b>	T529
<b>Dielectric:</b>	Polymer Tantalum
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, Polymer, Substrate
<b>Features:</b>	Substrate
<b>RoHS:</b>	Yes
<b>Termination:</b>	Gold
<b>AEC-Q200:</b>	No
<b>Component Weight:</b>	11.4 mg
<b>Shelf Life:</b>	52 Weeks
<b>MSL:</b>	3

**Specifications**

<b>Capacitance:</b>	47 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	6.3 VDC (85C), 5.04 VDC (105C)
<b>Temperature Range:</b>	-55/+105°C
<b>Rated Temperature:</b>	85°C
<b>Life:</b>	1000 Hrs (105C)
<b>Humidity:</b>	60C, 90% RH, 500 Hours, No Load
<b>Dissipation Factor:</b>	6% 120Hz 25C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	200 mOhms (100kHz 25C)
<b>Ripple Current:</b>	354 mA (rms, 100kHz 45C), 318.6 mA (rms, 85C), 141.6 mA (rms, 105C)
<b>Leakage Current:</b>	29.6 uA (5min 25°C)

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