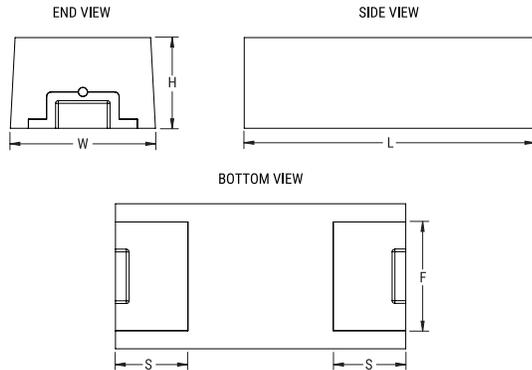


**KEMET Part Number: T597S476M006APE200**  
(FPUA20J476M200B)

T597, Tantalum, Polymer Tantalum, Reduced Volume, 47 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 200 mOhms, 3216, Height Max = 1.2mm



**Dimensions**

Footprint 3216	
<b>L</b>	3.2mm +/-0.2mm
<b>W</b>	1.6mm +/-0.2mm
<b>H</b>	1.1mm +/-0.1mm
<b>S</b>	0.8mm +/-0.2mm
<b>F</b>	1.2mm +/-0.1mm

**Packaging Specifications**

<b>Weight:</b>	26.2 mg
<b>Packaging:</b>	T&R, 178mm
<b>Packaging Quantity:</b>	3000

**General Information**

<b>Series:</b>	T597
<b>Dielectric:</b>	Polymer Tantalum
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, Polymer, Molded, Low ESR, AEC-Q200
<b>Features:</b>	Face Down, Automotive
<b>RoHS:</b>	Yes
<b>Termination:</b>	Nickel Palladium Gold
<b>Qualifications:</b>	AEC-Q200
<b>AEC-Q200:</b>	Yes
<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 (105C), 4.22 VDC (125C)
<b>Temperature Range:</b>	-55/+125°C
<b>Rated Temperature:</b>	105°C
<b>Humidity:</b>	85C, 85% RH, load, 1000 Hours
<b>Dissipation Factor:</b>	10% 120Hz 25C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	200 mOhms (100kHz 25C)
<b>Ripple Current:</b>	570 mA (rms, 100kHz 45C), 513 mA (rms, 85C), 142.5 mA (rms, 125C)
<b>Leakage Current:</b>	88.8 uA (5min 25°C)