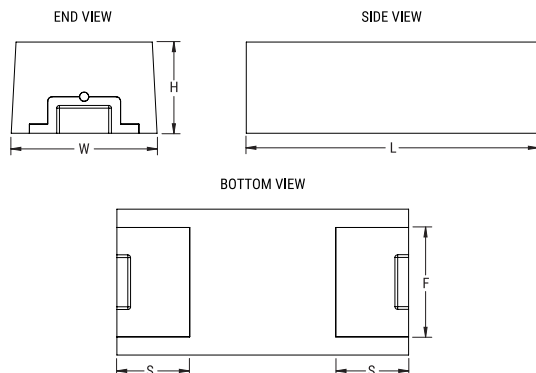


KEMET Part Number: T597S476M006APE200
(FPUA20J476M200B)

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
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.1mm +/-0.1mm
S	0.8mm +/-0.2mm
F	1.2mm +/-0.1mm

Packaging Specifications

Weight:	26.2 mg
Packaging:	T&R, 178mm
Packaging Quantity:	3000

General Information

Series:	T597
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Description:	SMD, Polymer, Molded, Low ESR, AEC-Q200
Features:	Face Down, Automotive
RoHS:	Yes
Termination:	Nickel Palladium Gold
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Shelf Life:	52 Weeks
MSL:	3

Specifications

Capacitance:	47 uF
Capacitance Tolerance:	20%
Voltage DC:	6.3 VDC (105C), 4.22 VDC (125C)
Temperature Range:	-55/+125°C
Rated Temperature:	105°C
Humidity:	85C, 85% RH, load, 1000 Hours
Dissipation Factor:	10% 120Hz 25C
Failure Rate:	N/A
Resistance:	200 mOhms (100kHz 25C)
Ripple Current:	570 mA (rms, 100kHz 45C), 513 mA (rms, 85C), 142.5 mA (rms, 125C)
Leakage Current:	88.8 uA (5min 25°C)