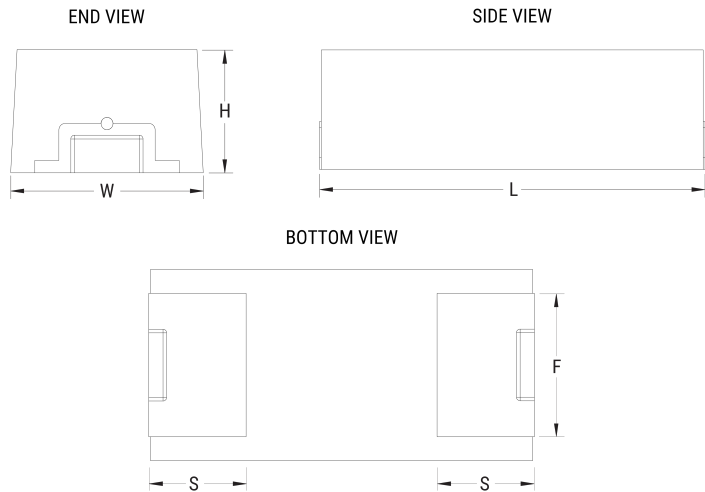


T597S476M006APE200

Aliases (FPUA20J476M200B)

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



Click [here](#) for the 3D model.

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	
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
Typical Component Weight	26.2 mg
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
ESR	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)

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.