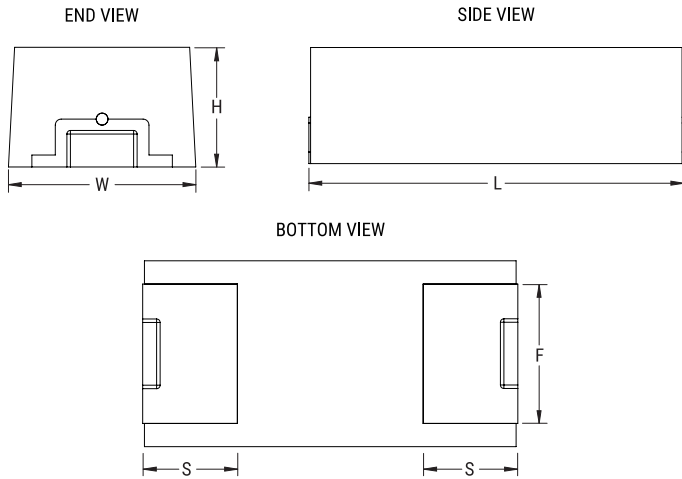


## T597S107M2R5APE100

Aliases (FPUA20E107M100B)

T597, Tantalum, Polymer Tantalum, Reduced Volume, 100 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 100 mOhms, 1.2 mm, 1206 / 3216



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

### 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
Typical Component Weight	26.2 mg
Shelf Life	52 Weeks
MSL	3

### Specifications

Capacitance	100 uF
Tolerance	20%
Voltage DC	2.5 VDC (105C), 1.68 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	100 mOhms (100kHz 25C)
Ripple Current	770 mA (rms, 100kHz 45C), 693 mA (rms, 85C), 192.5 mA (rms, 125C)
Leakage Current	75 uA (5min 25°C)

### Dimensions

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

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