

T520, Tantalum, Polymer Tantalum, 47 uF, 20%, 16 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 7343, Height Max = 3.1mm



### Dimensions

Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	2.8mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.6mm MIN
B	0.5mm +/-0.15mm
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

### Packaging Specifications

Weight:	434.83 mg
Packaging:	T&R, 178mm
Packaging Quantity:	500

### General Information

Series:	T520
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Description:	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features:	Low ESR
RoHS:	Yes
Termination:	Tin
AEC-Q200:	No
Miscellaneous:	Not recommended for new designs. Please use the T521 series instead.
Shelf Life:	52 Weeks
MSL:	3

### Specifications

Capacitance:	47 uF
Capacitance Tolerance:	20%
Voltage DC:	16 VDC (105C)
Temperature Range:	-55/+105°C
Rated Temperature:	105°C
Humidity:	60C, 90% RH, 500 Hours, No Load
Dissipation Factor:	10% 120Hz 25C
Failure Rate:	N/A
Resistance:	70 mOhms (100kHz 25C)
Ripple Current:	1800 mA (rms, 100kHz 45C), 1260 mA (rms, 85C), 450 mA (rms, 105C)
Leakage Current:	75.2 uA (5min 25°C)