

T525, Tantalum, Polymer Tantalum, 47 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 80 mOhms, 3528, Height Max = 2.1mm



General Information	
Supplier:	KEMET
Series:	T525
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Description:	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features:	Low ESR
RoHS:	Yes
Termination:	Tin
Shelf Life:	52 Weeks
MSL:	3

Dimensions	
Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
B	0.4mm +/-0.15mm
P	0.5mm REF
R	1mm REF
X	0.1mm +/-0.1mm

Specifications	
Capacitance:	47 uF
Capacitance Tolerance:	20%
Voltage DC:	6.3 VDC (105C), 4.22 VDC (125C)
Temperature Range:	-55/+125C
Rated Temperature:	105°C
Humidity:	60C, 90% RH, 1000 Hours, No Load
Dissipation Factor:	8.00% 120Hz 25C
Failure Rate:	N/A
Resistance:	80 mOhms (100kHz 25C)
Ripple Current:	1300 mA (100kHz 45C), 910 mA (85C), 325 mA (125C)
Leakage Current:	29.6 uA (5min 25C)

Packaging Specifications	
Weight:	94.85 mg
Packaging:	T&R, 178mm
Packaging Quantity:	2000

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