

Tantalum, Polymer Tantalum, T591, 47 uF, 20%, 6.3 V, 3528, SMD, Polymer, Molded, Low ESR, 70 mOhms, Height Max = 2.1mm



General Information	
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Series:	T591
Description:	SMD, Polymer, Molded, Low ESR
Features:	Automotive
RoHS:	Yes
Termination:	Tin
Approvals:	AEC-Q200 (limited 500h 85C/85% RH/Ur)
AEC-Q200:	Yes

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	1.1mm 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
Dissipation Factor:	8% 120Hz 25C
Failure Rate:	N/A
Resistance:	70 mOhms (100kHz 25C)
Current:	1347 mAmps (100kHz 45C), 1212.3 mAmps (85C), 336.8 mAmps (125C)
Leakage Current:	29.6 uAmps (5min 25C)

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

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