

Capacitor, Tantalum, SMD, Polymer, Molded, Low ESR, 47 uF, 3528, +/-20% Tol, 6.3 VDC (105C)



General Information	
Supplier:	KEMET
Application:	Automotive/Low ESR (AEC-Q200 Qualified)
Sub Application:	(NonCombustibleCathode)
Part Type Description:	SMD, Polymer, Molded, Low ESR
Construction:	Standard Chip-Polymer
Body Type:	SMD Chip
Footprint:	3528
Weight:	94.85 mg
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	3.5	+/-0.2
W	2.8	+/-0.2
H	1.9	+/-0.1
F	2.2	+/-0.1
S	0.8	+/-0.3
B	0.4	+/-0.15
X	0.1	+/-0.1
P	0.5	REF
R	1	REF
T	0.13	REF
A	1.1	MIN

Specifications	
Capacitance:	47 uF
Tolerance:	+/-20%
Voltage:	6.3 VDC (105C)
Voltage:	4.22 VDC (125C)
Temperature Range:	-55/+125C
Testing:	AEC-Q200
Current/Ripple Current:	1347 mAmps (100kHz 45C)
Current/Ripple Current:	1212.3 mAmps (85C)
Current/Ripple Current:	336.8 mAmps (125C)
Resistance/ESR:	70 mOhms (100kHz 25C)
Failure Rate:	N/A
Leakage Current:	29.6 uA
Dissipation Factor:	8%

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	2000