

Capacitor, Tantalum, 47 uF, 3528, +/-20% Tol, 6.3 VDC (105C), Failure Rate=A



General Information	
Supplier:	KEMET
Application:	Military COTS/Upscreened/Low ESR (Non-ER)
Sub Application:	(NonCombustibleCathode)
Part Type Description:	SMD, Polymer, Molded, COTS, Up Screening
Construction:	Standard Chip-Polymer
Body Type:	SMD Chip
Footprint:	3528
Weight:	98.3 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
G	1.8	REF
E	2.2	REF

Specifications	
Capacitance:	47 uF
Tolerance:	+/-20%
Voltage:	6.3 VDC (105C)
Temperature Range:	-55/+105C
Testing:	10 Cycles Surge Current Testing At -55C And +85C
Current/Ripple Current:	2254 mAmps (100kHz 45C)
Resistance/ESR:	25 mOhms (100kHz)
Failure Rate:	A
Leakage Current:	29.6 uA
Dissipation Factor:	8%

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

Notes:

-In Polarity Stripe, At KEMET's Option, Type May Be Indicated:
 No Symbol = Standard (Or Low Leakage) MnO2 Tantalum Chip,
 O = LowESR T494, R = Low ESR T495, F = Fused T496, HT = 150C Rated T498 (or B45196P, B45198P), H = 175C rated T499, M = Multiple Anode