

**KEMET Part Number: C0805C684J3NACTU**  
(C0805C684J3NAC7800)

Capacitor, Ceramic, SMD, MLCC, High Temperature, Temperature Stable, 0.68 uF, +/-5% Tol, 25 V, X8L, 0805 (2012 metric)



General Information	
Supplier:	KEMET
Application:	Standard Chip
Chip Size:	0805 (2012 metric)
Temperature Coefficient:	X8L
Part Type Description:	SMD, MLCC, High Temperature, Temperature Stable
Termination Type:	Tin (Sn)
Marked:	No
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	2	+/-0.2
W	1.25	+/-0.2
T	1.25	+/-0.20
B	0.5	+/-0.25
S	0.75	MIN

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Type:	Plastic Tape
Package Quantity:	2500

Specifications	
Capacitance:	0.68 uF
Voltage:	25 V
Tolerance:	+/-5%
Temperature Range:	-55/+150C
Dissipation Factor:	2.5%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	740 MOhm
Dielectric Strength:	62.5 V
Miscellaneous:	Note: Referee time for X8L dielectric for this part number is 1000 hours