

**KEMET Part Number: C0805C105K5PACTU**  
(C0805C105K5PAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1 uF, +/-10% Tol, 50 V, X5R, 0805 (2012 metric)



General Information	
Supplier:	KEMET
Application:	Standard Chip
Chip Size:	0805 (2012 metric)
Temperature Coefficient:	X5R
Part Type Description:	SMD, MLCC, Temperature Stable, Class II
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	+/-0.15
B	0.5	+/-0.25
S	0.75	MIN

Specifications	
Capacitance:	1 uF
Voltage:	50 V
Tolerance:	+/-10%
Temperature Range:	-55/+85C
Dissipation Factor:	2.5%
Failure Rate:	N/A
Aging Rate:	4% loss/decade hour
Insulation Resistance:	100 MOhm
Dielectric Strength:	125 V
Miscellaneous:	Note: Referee time for X5R dielectric for this part number is 48 hours

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