

KEMET Part Number: C0805X105K4RACTU
(C0805X105K4RAC7800)

Capacitor, Ceramic, SMD, MLCC, FT-CAP, Temp Stable, 1 uF, +/-10% Tol, 16 V, X7R, 0805 (2012 metric)



General Information	
Supplier:	KEMET
Application:	Standard Chip
Chip Size:	0805 (2012 metric)
Temperature Coefficient:	X7R
Part Type Description:	SMD, MLCC, FT-CAP, Temp Stable
Termination Type:	Flexible Termination
Marked:	No
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	2	+/-0.3
W	1.25	+/-0.3
T	0.9	+/-0.10
B	0.5	+/-0.25
S	0.75	MIN

Specifications	
Capacitance:	1 uF
Voltage:	16 V
Tolerance:	+/-10%
Temperature Range:	-55/+125C
Dissipation Factor:	3.5%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	500 MOhm
Dielectric Strength:	40 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Type:	Plastic Tape
Package Quantity:	4000