

**KEMET Part Number: C1206C105K3PACTU**  
(C1206C105K3PAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1 uF, +/-10% Tol, 25 V, X5R, 1206 (3216 metric)



#### General Information

<b>Supplier:</b>	KEMET
<b>Application:</b>	Standard Chip
<b>Chip Size:</b>	1206 (3216 metric)
<b>Temperature Coefficient:</b>	X5R
<b>Part Type Description:</b>	SMD, MLCC, Temperature Stable, Class II
<b>Termination Type:</b>	Tin (Sn)
<b>Marked:</b>	No
<b>RoHS:</b>	Yes

#### Dimensions (mm)

Symbol	Dimension	Tolerance
<b>L</b>	3.2	+/-0.2
<b>W</b>	1.6	+/-0.2
<b>T</b>	1.2	+/-0.20
<b>B</b>	0.5	+/-0.25

#### Packaging Specifications

<b>Package Kind:</b>	T&R
<b>Package Size:</b>	7 in/180 mm
<b>Package Type:</b>	Plastic Tape
<b>Package Quantity:</b>	2500

#### Specifications

<b>Capacitance:</b>	1 uF
<b>Voltage:</b>	25 V
<b>Tolerance:</b>	+/-10%
<b>Temperature Range:</b>	-55/+85C
<b>Dissipation Factor:</b>	5%
<b>Failure Rate:</b>	N/A
<b>Aging Rate:</b>	4% loss/decade hour
<b>Insulation Resistance:</b>	100 MOhm
<b>Dielectric Strength:</b>	62.5 V
<b>Miscellaneous:</b>	Note: Referee time for X5R dielectric for this part number is 48 hours