

**KEMET Part Number: C1206T105J3RACTU**  
(C1206T105J3RAC7800)

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SMD COTS X7R, Ceramic, 1 uF, 5%, 25 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 1206



**Dimensions**

Chip Size	1206
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	1.6mm +/-0.15mm
B	0.5mm +/-0.25mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	2000

**General Information**

<b>Series:</b>	SMD COTS X7R
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, COTS, Temperature Stable, Class II
<b>Features:</b>	Temperature Stable, Class II
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>Failure Rate:</b>	Testing per MIL-PRF-55681 PDA 8%
<b>AEC-Q200:</b>	No
<b>Component Weight:</b>	41 mg
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

**Specifications**

<b>Capacitance:</b>	1 uF
<b>Measurement Condition:</b>	1 kHz 1.0Vrms
<b>Capacitance Tolerance:</b>	5%
<b>Voltage DC:</b>	25 VDC
<b>Dielectric Withstanding Voltage:</b>	62.5 VDC
<b>Temperature Range:</b>	-55/+125°C
<b>Temperature Coefficient:</b>	X7R
<b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b>	15%, 1kHz 1.0Vrms
<b>Dissipation Factor:</b>	3.5% 1 kHz 1.0Vrms
<b>Aging Rate:</b>	3% Loss/Decade Hour: Referee Time is 1000 Hours
<b>Insulation Resistance:</b>	500 MOhms

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