

**KEMET Part Number: C0805T474M3RACTU**  
(C0805T474M3RAC7800)

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SMD COTS X7R, Ceramic, 0.47 uF, 20%, 25 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0805



**Dimensions**

Dimensions	
Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	0.9mm +/-0.10mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

**Packaging Specifications**

Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	4000

**General Information**

Series:	SMD COTS X7R
Style:	SMD Chip
Description:	SMD, MLCC, COTS, Temperature Stable, Class II
Features:	Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
Failure Rate:	Testing per MIL-PRF-55681 PDA 8%
AEC-Q200:	No
Component Weight:	13 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	0.47 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	20%
Voltage DC:	25 VDC
Dielectric Withstanding Voltage:	62.5 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms
Dissipation Factor:	3.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	1.0638 GOhms

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