

## C1210T105K1RACTU

Aliases (C1210T105K1RAC7800)

SMD COTS X7R, Ceramic, 1 uF, 10%, 100 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 1210 / 3225



Click [here](#) for the 3D model.

### 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%
Typical Component Weight	85 mg
Shelf Life	78 Weeks
MSL	1

### Dimensions

L	3.2mm +/-0.2mm
W	2.5mm +/-0.2mm
T	1.7mm +/-0.20mm
S	1.5mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	1210 / 3225

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	2000

### Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	500 MOhms

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