

C1210C105M5RACTU

Aliases (C1210C105M5RAC7800)

SMD Comm X7R, Ceramic, 1 uF, 20%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1210



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

General Information

Series	SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	65 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	20%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 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	5% 1kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 48 Hours
Insulation Resistance	500 MOhms

Dimensions

Chip Size	1210
L	3.2mm +/-0.4mm
W	2.5mm +/-0.3mm
T	1.25mm +/-0.2mm
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	2500

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