

C1210T123K5GACTU

Aliases (C1210T123K5GAC7800)

SMD COTS COG, Ceramic, 0.012 uF, 10%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 1210, 1.5 mm



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

General Information

Series	SMD COTS COG
Style	SMD Chip
Description	SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I
Features	Ultra-Stable, Low Loss, Class I
RoHS	Yes
Termination	Tin
Marking	No
Failure Rate	Testing per MIL-PRF-55681 PDA 8%
AEC-Q200	No
Typical Component Weight	40 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

Chip Size	1210
L	3.2mm +/-0.2mm
W	2.5mm +/-0.2mm
T	1.25mm +/-0.15mm
S	1.5mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

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

Specifications

Capacitance	0.012 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor	0.1% 1 kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	83.3333 GOhms

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