

KEMET Part Number: C0402C102K5GECTU
(C0402C102K5GEC7867)

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ESD SMD Comm COG, Ceramic, 1000 pF, 10%, 50 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0402



Dimensions

Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm

Packaging Specifications

Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	10000

General Information

Series:	ESD SMD Comm COG
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I
Features:	Temperature Stable, Low ESR, Class I
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	1000 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
ESD Level per AEC-Q200:	4,000 V ESD Level
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1MHz 1.0Vrms
Dissipation Factor:	0.1% 1 MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms

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