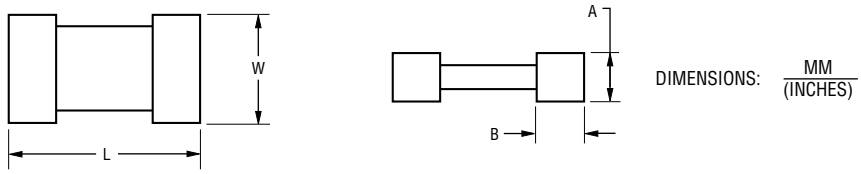
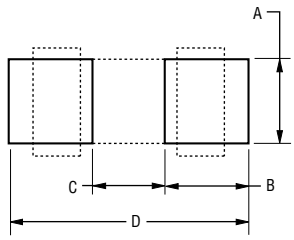
Product Dimensions



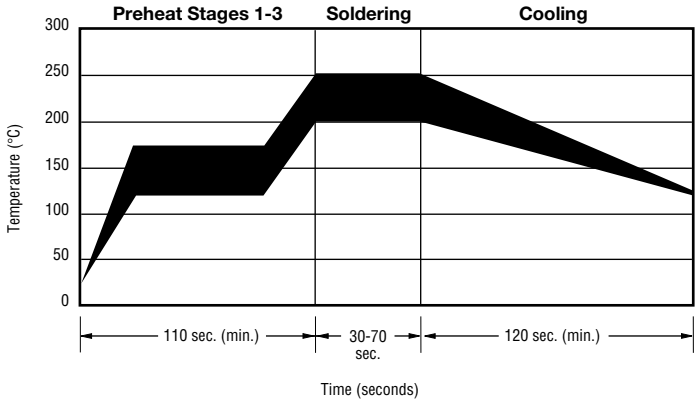
Recommended Pad Layout



Dimension	CG0402 Series	CG0603 Series
L	1.00 ± 0.15 (0.04 ± 0.006)	1.60 ± 0.20 (0.064 ± 0.008)
W	0.50 ± 0.10 (0.02 ± 0.004)	0.80 ± 0.20 (0.032 ± 0.008)
A	0.36 ± 0.05 (0.014 ± 0.002)	0.45 ± 0.10 (0.018 ± 0.004)
B	0.25 ± 0.15 (0.10 ± 0.006)	0.30 ± 0.20 (0.012 ± 0.008)

Dim.	CG0402 Series	CG0603 Series
A	0.51 (0.020)	0.76 (0.030)
B	0.61 (0.024)	1.02 (0.040)
C	0.51 (0.020)	0.50 (0.020)
D	1.70 (0.067)	2.54 (0.100)

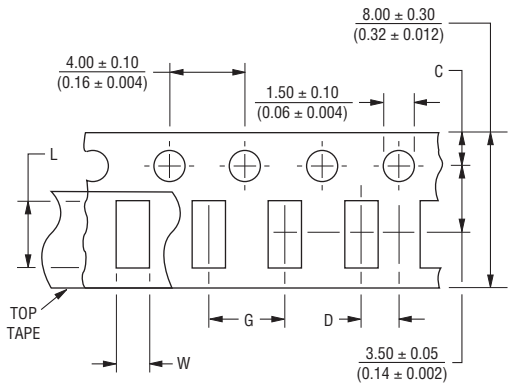
Solder Reflow Recommendations

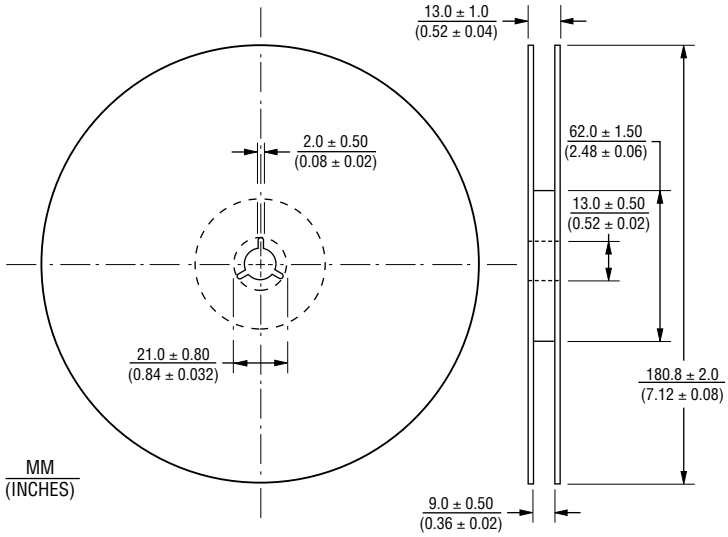


A	Stage 1 Preheat	Ambient to Preheating Temperature	30 s to 60 s
B	Stage 2 Preheat	140 °C to 160 °C	60 s to 120 s
C	Stage 3 Preheat	Preheat to 200 °C	20 s to 40 s
D	Main Heating	200 °C 210 °C 220 °C 230 °C 240 °C 250 °C to 255 °C	60 s to 70 s 55 s to 65 s 50 s to 60 s 40 s to 50 s 30 s to 40 s 5 s
E	Cooling	200 °C to 100 °C	1 °C/s to 4 °C/s

- This product can be damaged by rapid heating, cooling or localized heating.
- Heat shocks should be avoided. Preheating and gradual cooling recommended.
- Excessive solder can damage the device. Print solder thickness of 150 to 200 um recommended.
- Solder gun tip temperature should be kept below 280 °C and should not touch the device directly. Contact should be less than 3 seconds. A solder gun under 30 watts is recommended.

Packaging Dimensions





NOTES: TAPE MATERIAL IS PAPER.
TAPE THICKNESS IS 0.48 ± 0.03 (0.019 ± 0.0012)
COVER TAPE ADHESION IS 40 ± 15 GRAMS.

DIMENSIONS: MM / (INCHES)

Dimension	CG0402 Series	CG0603 Series
C	1.75 ± 0.05 (0.04 ± 0.002)	1.75 ± 0.10 (0.04 ± 0.004)
D	2.00 ± 0.02 (0.08 ± 0.0008)	2.00 ± 0.05 (0.08 ± 0.002)
L	1.12 ± 0.03 (0.045 ± 0.0012)	1.80 ± 0.20 (0.072 ± 0.008)
W	0.62 ± 0.03 (0.025 ± 0.0012)	0.90 ± 0.20 (0.036 ± 0.008)
G	2.0 ± 0.05 (0.08 ± 0.002)	4.0 ± 0.05 (0.16 ± 0.002)

How to Order

CG 0n0n MLC - n.n x x x

ChipGuard® Product Designator

Package Option
- 0402 = 0402 Package
- 0603 = 0603 Package

Multilayer Series Designator

Operating Voltage**
- 3.3 = 3.3 V
- 05 = 5 V
- 12 = 12 V
- 24 = 24 V

Low Leakage Current Option
- L = Low Leakage Current
- Blank = Standard Product

Tape & Reel Packaging
- E = 5,000 pcs. per reel (0603 Package)
- G = 10,000 pcs. per reel (0402 Package)

Operating Temperature Option
- A = Higher +125 °C Operating Temperature
- Blank = Standard Product

** Only models lower than 10 volts require decimal point.

BOURNS®

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