

CME-CGMCB160808H-SERIES

Features

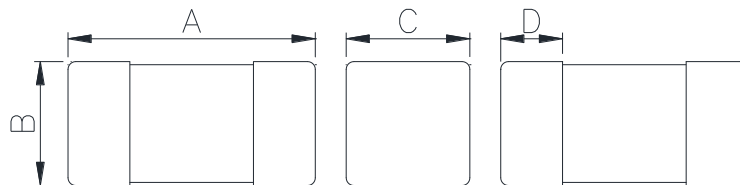
- ▶ The complete magnetic shielded structure minimizes crosstalk.
- ▶ It is ideal for high-speed signal lines because it targets high-speed lines and Provides significant impedance in a wide frequency range.
- ▶ The GMCB series is similar to EBMF series at frequency below 100MHz. However at 1 GHz, the impedance is 3 times larger
- ▶ It realizes high impedance at 1 GHz and is suitable for noise suppression on digital ranging from 500 MHz to GHz



Applications

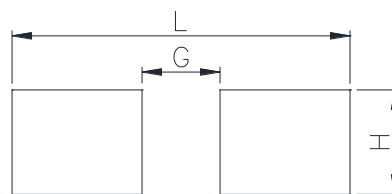
- ▶ Mother board, Tablet PC, Notebook, Desktop computers and peripheral equipment / DSC, DVC, LCD TV, Set top box / Digital communication equipment / Various automotive electronics / Various power line of electronic equipment

Dimension (Unit:mm)



| A | B | C | D |
|----------|----------|----------|---------|
| 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.4±0.2 |

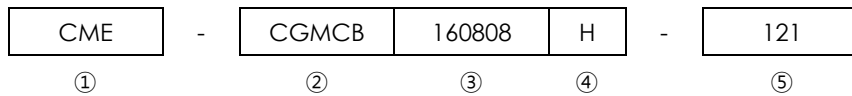
Land Pattern (Unit:mm)



| L | G | H |
|-----|-----|-----|
| 2.6 | 0.6 | 0.8 |

- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2023.03.29

Regulation of part number



- ① CoilMaster's initial
- ② Product Series Name
- ③ Core Size (unit:mm)
- ④ Material Code
- ⑤ Normal Impedance (121 : 120 ohm)

Specifications

| Part Number | Impedance (ohm) | | DCR(ohm) Max. | Rated Current (mA) Max. |
|----------------------|-----------------|-------------|------------------|-------------------------------|
| | ±25% @100 MHz | ±40% @1 GHz | | |
| CME-CGMCB160808H-121 | 120 | 500 | 0.50 | 200 |
| CME-CGMCB160808H-221 | 220 | 1100 | 0.80 | 100 |
| CME-CGMCB160808H-301 | 300 | 1300 | 1.20 | 50 |
| CME-CGMCB160808H-331 | 330 | 1300 | 1.20 | 50 |
| CME-CGMCB160808H-471 | 470 | 2100 | 1.20 | 50 |
| CME-CGMCB160808H-601 | 600 | 3000 | 1.20 | 50 |
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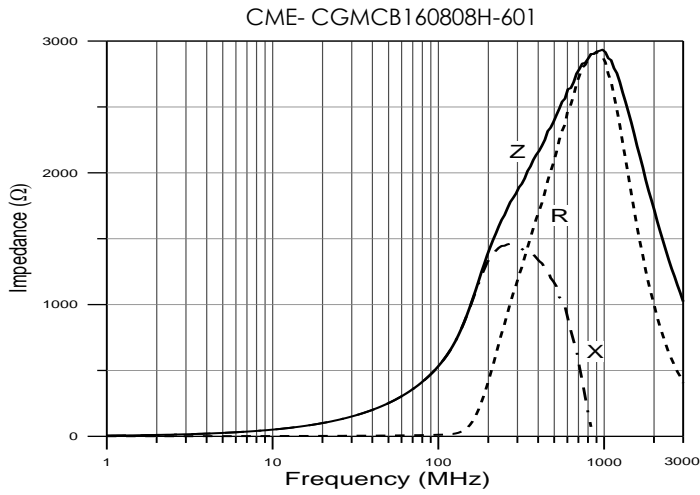
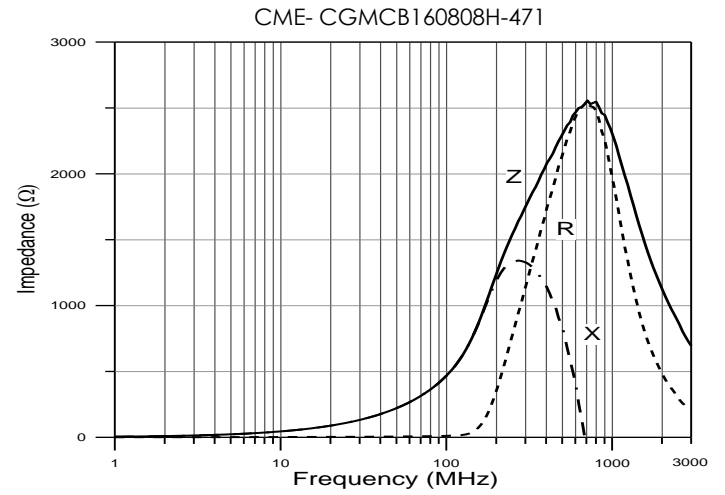
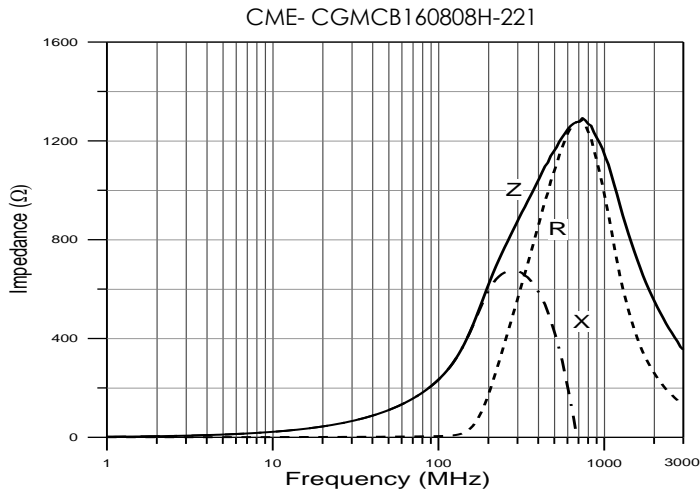
- Rated Current : the DC current value having temperature increased 40 °c after thru DC current 2 hours at ambient temperature.
- Storage Temperature Range : -40°c ~ +85 °c
- Operating Temperature Range : -55°c ~ +125 °c

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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Electrical characteristics

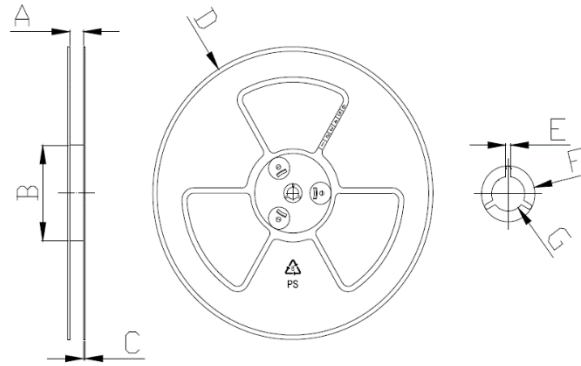


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Packaging

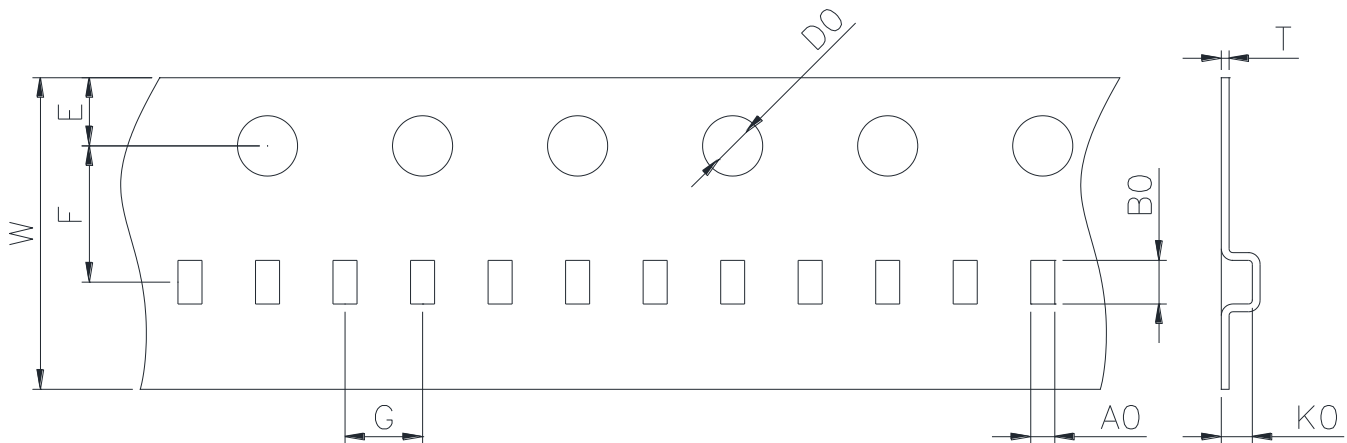
(1) Package quantity : 4,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



| A | B | C | D | E | F | G |
|-------|-------|-------|-------|-------|-------|-------|
| 10.00 | 60.00 | 2.00 | 178.0 | 2.00 | 21.00 | 13.00 |
| +1.50 | +2.00 | +0.50 | +2.00 | +0.50 | +0.80 | +0.80 |
| -1.50 | -2.00 | -0.50 | -2.00 | -0.50 | -0.80 | -0.80 |

(3) Tape Dimensions



| W | A0 | B0 | T | E | F | G | D0 | K0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8.00 | 1.10 | 1.90 | 0.20 | 1.75 | 3.50 | 4.00 | 1.50 | 1.10 |
| +0.20 | +0.10 | +0.10 | +0.05 | +0.10 | +0.05 | +0.10 | +0.10 | +0.05 |
| -0.20 | -0.10 | -0.10 | -0.05 | -0.10 | -0.05 | -0.10 | -0.00 | -0.05 |

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