

Specification for Approval

Date: 2024/1/1

Customer: _____

BYTEK P/N: BCM5025-SERIES

CUSTOMER P/N: _____

DESCRIPTION: _____

QUANTITY: _____ pcs

| | | |
|----------------------------|--|--|
| REMARK: | | |
| Customer Approval Feedback | | |
| | | |

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Sales Dep.

| APPROVED | CHECKED |
|----------|---------|
| 谢林阳 | 李昱珩 |

R&D Center

| APPROVED | CHECKED | DRAWN |
|----------|---------|-------|
| 文睿 | 谢庆芬 | 兰静 |

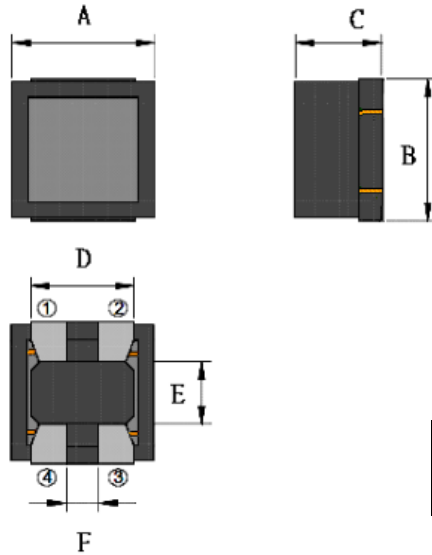
Wire Wound Type Common Mode Filter

BCM5025 - SERIES

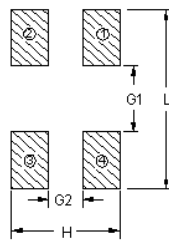
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. BCM5025F series realizes small size and low profile.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+125°C (Including self - temperature rise)

2. Dimension



Recommended PC Board Pattern



| Series | L(mm) | H(mm) | G1(mm) | G2(mm) |
|----------|----------|----------|----------|----------|
| BCM5025F | 5.5 ref. | 4.4 ref. | 2.0 ref. | 0.9 ref. |

| Series | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) |
|----------|---------|---------|-----------|----------|----------|---------|
| BCM5025F | 4.8±0.3 | 5.0±0.3 | 2.50 Max. | 3.5 typ. | 2.2 typ. | 1.1 typ |

Units: mm

3. Part Numbering

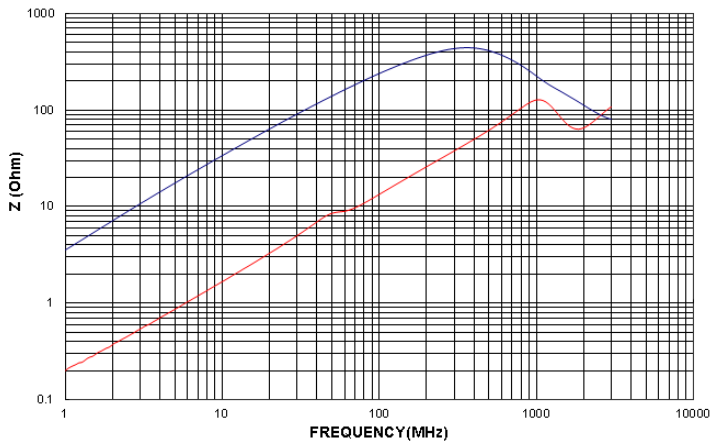


- A: Series
- B: Dimension
- C: Type
- D: Impedance 251=250Ω
- E: Code

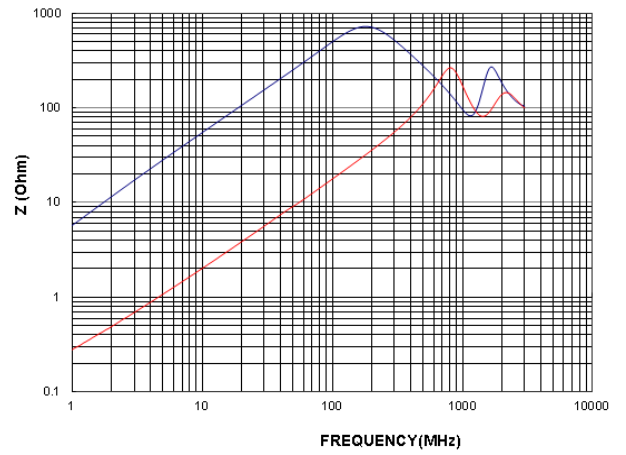
4. Specification

| Part Number | Common mode Impedance (Ω) | Test Frequency (MHz) | DC Resistance (Ω)±40% | Rated Current (mA) Max. | Rated Volt. (Vdc) | IR (MΩ) min. |
|--------------------|---------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------|
| BCM5025F-251T50-01 | 250(typ.) | 100 | 0.014 | 5000 | 50 | 10 |
| BCM5025F-501T40-01 | 500(typ.) | 100 | 0.019 | 4000 | 50 | 10 |
| BCM5025F-102T20-01 | 1000(typ.) | 100 | 0.024 | 2000 | 50 | 10 |
| BCM5025F-152T15-01 | 1500(typ.) | 100 | 0.040 | 1500 | 50 | 10 |

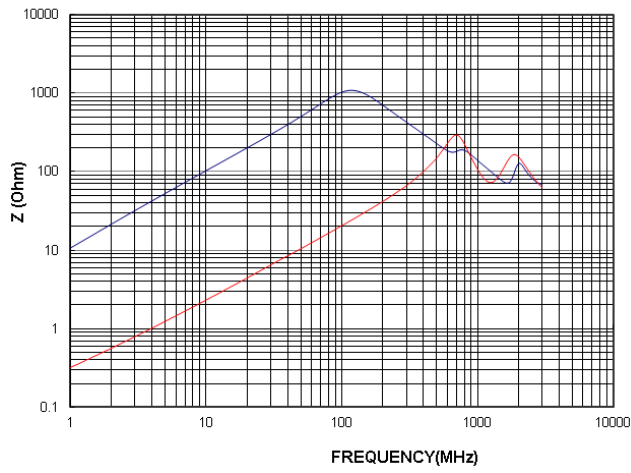
WCM5025F2SF-251T50 -BT



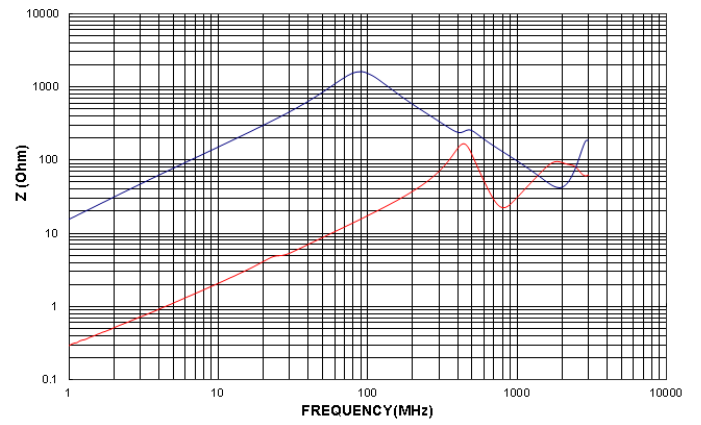
WCM5025F2SF-501T40 -BT



WCM5025F2SF-102T20 -BT



WCM5025F2SF-152T15 -BT



5. Schematic Diagram

