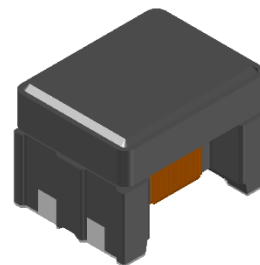


# CME-CSCF3225B-B SERIES

## Features

- ▶ Signal line Common mode Filter.
- ▶ It is effective in reducing noise with high common mode impedance.
- ▶ Low stray capacitance.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.

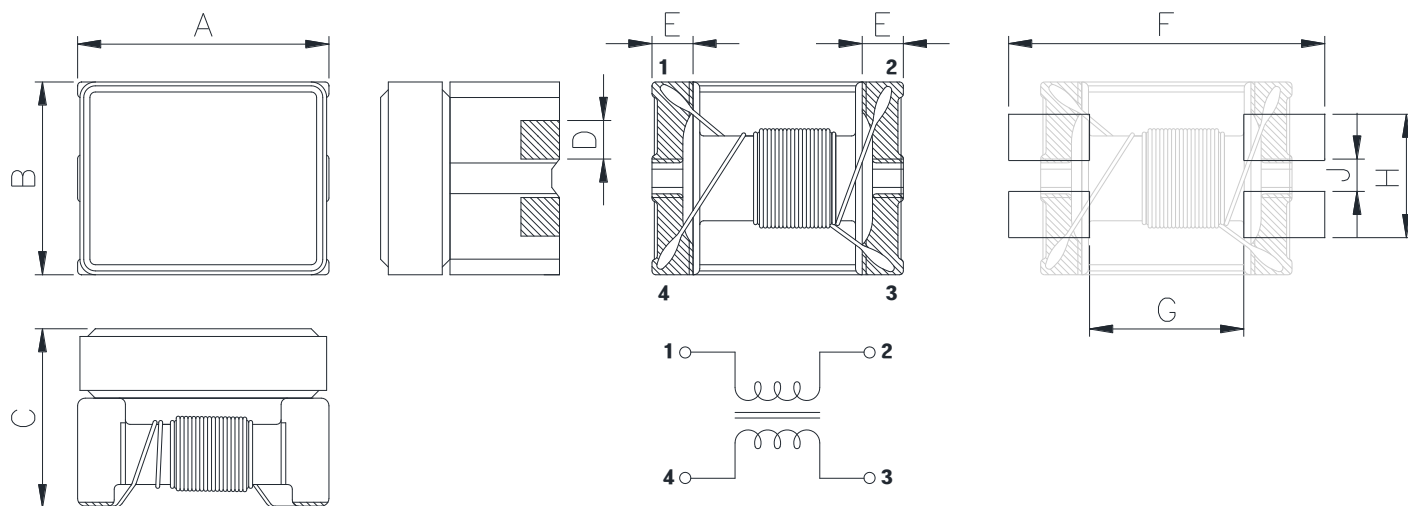


## Applications

- ▶ CAN-BUS, FAXs, modems, ISDNs, etc.

## Dimension (Unit:mm)

## Land Pattern (Unit:mm)



| A        | B        | C        | D        | E         |
|----------|----------|----------|----------|-----------|
| 3.2 ±0.2 | 2.5 ±0.2 | 2.5 Max. | 0.5 ±0.2 | 0.53 ±0.2 |

| F   | G   | H   | J   |
|-----|-----|-----|-----|
| 4.1 | 2.0 | 1.6 | 0.4 |

- You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)
- All specifications are subject to change without notice.
- Update date : 2025.05.02 (Rev 0.0)

## Regulation of part number

|     |   |      |      |   |   |     |   |    |   |   |
|-----|---|------|------|---|---|-----|---|----|---|---|
| CME | - | CSCF | 3225 | B | - | 110 | T | 30 | - | B |
| ③   |   | ②    | ③    | ④ |   | ⑤   | ⑥ | ⑦  |   | ⑧ |

- ① CoilMaster's initial
- ② Series Name : Car Signal Line Common mode Filter
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Common mode inductance value (11 uH)
- ⑥ Packing type
- ⑦ Rated Current
- ⑧ Internal code

## Specifications

| Part Number            | Common Mode Inductance (μH) | Common Mode Impedance (Ω) Min.(Typ.) | DCR (Ω) Max. | Rated Current (mA) Max. | Insulation Resistance (MΩ) Min. | Rated Voltage (V) Max. |
|------------------------|-----------------------------|--------------------------------------|--------------|-------------------------|---------------------------------|------------------------|
| CME-CSCF3225B-110T30-B | 11                          | 300(550)                             | 0.4          | 300                     | 10                              | 80                     |
| CME-CSCF3225B-220T25-B | 22                          | 500(1100)                            | 0.5          | 250                     | 10                              | 80                     |
| CME-CSCF3225B-510T20-B | 51                          | 1000(2600)                           | 0.7          | 200                     | 10                              | 80                     |
| CME-CSCF3225B-101T15-B | 100                         | 2200(5100)                           | 1.5          | 150                     | 10                              | 80                     |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |
|                        |                             |                                      |              |                         |                                 |                        |

- Inductance test condition : 100 kHz ( L tolerance+50/-30% )
- Impedance test condition : 10 MHz
- Operating Temperature Range : -40°C ~ +150 °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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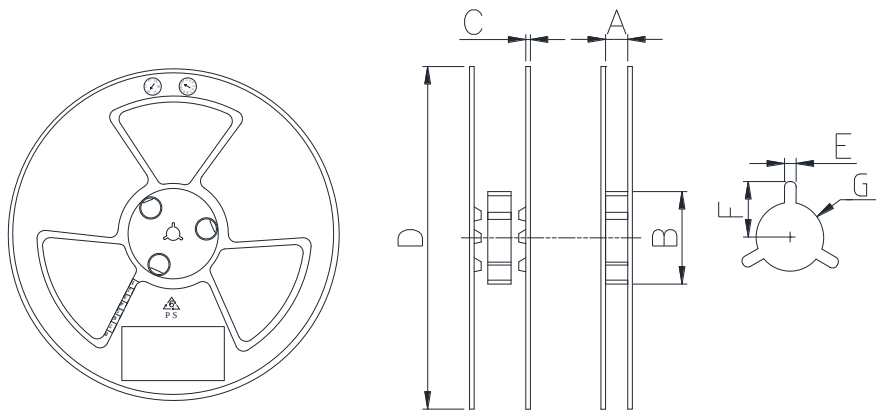
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Packaging

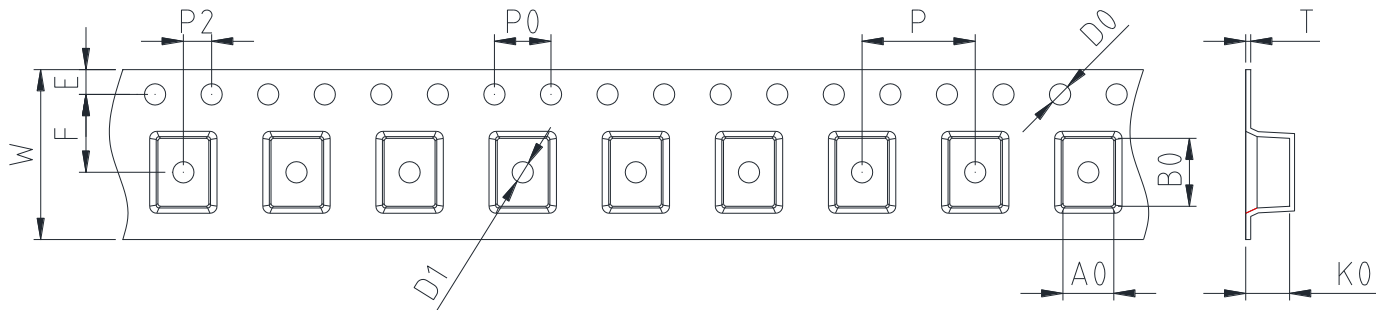
(1) Package quantity : 2,500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



| A     | B     | C     | D     | E     | F     |
|-------|-------|-------|-------|-------|-------|
| 8.50  | 60.0  | 1.50  | 178.0 | 2.70  | 11.25 |
| +0.50 | +2.00 | +0.20 | +1.00 | +0.30 | +0.50 |
| -0.50 | -2.00 | -0.20 | -1.00 | -0.30 | -0.50 |

(3) Tape Dimensions



| W     | A0    | B0    | K0    | E     | F     | P     | P0    | P2    | D0/D1 | T     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8.00  | 2.88  | 3.72  | 2.50  | 1.75  | 3.50  | 4.00  | 4.00  | 2.00  | 1.10  | 0.22  |
| +0.10 | +0.10 | +0.10 | +0.10 | +0.10 | +0.05 | +0.10 | +0.10 | +0.05 | +0.10 | +0.05 |
| -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.05 | -0.10 | -0.10 | -0.05 | -0.10 | -0.05 |

Korea Sales Office (KOREA)  
China Sales Office (CHINA)  
Hungary Sales office (EUROPE)

+82)31-904-1444  
+86)0758-683-1444  
+36)1-404-5832

H.K Sales Office (HONGKONG)  
LA Sales Office (USA)

+852)2711-5551  
+1)714-616-6989

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