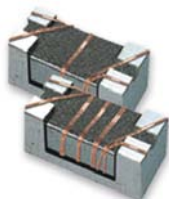


CMM Series For USB 3.0,



Based on Chilisin's technical expertise, we have introduced a full series of common mode choke. They are designed for excellent noise attenuation with a compact size for wide applications such as USB line for personal computers and peripheral, DVC, STB and LVDS, panel line for liquid display panels, etc. We welcome you to contact us for requirement of our standard series or custom design service.

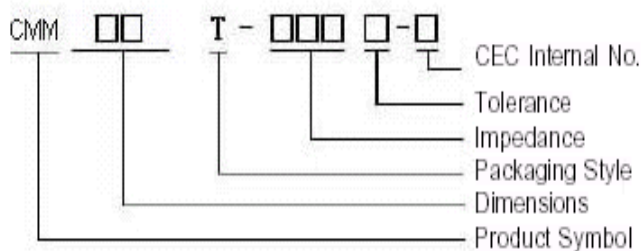
Features

- RoHS Compliant
- Miniature SMD type common mode filter for fully automated assembly.
- Excellent Solderability.

Applications

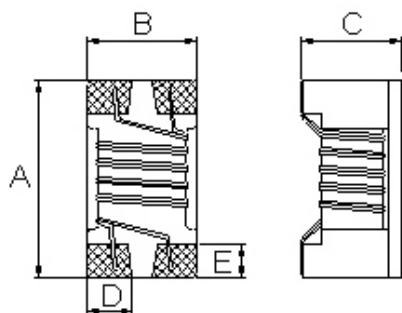
- USB3.0

Product Identification



- Packaging: T : Tape and Reel

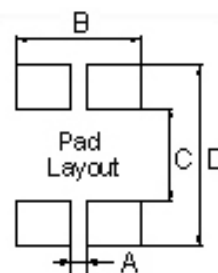
Shapes and Dimensions



Dimensions in mm

| TYPE | A | B | C | D | E |
|-------|----------|----------|---------|------|------|
| CMM11 | 1.25±0.2 | 1.00±0.2 | 0.8±0.1 | 0.32 | 0.33 |

Recommended Pattern



Dimensions in mm

| TYPE | A | B | C | D |
|-------|------|------|------|------|
| CMM11 | 0.36 | 1.00 | 0.59 | 1.75 |

Electrical Characteristics

| Part Number | Impedance (Ω) | Test Frequency (MHz) | Tolerance ($\pm\%$) | Idc (mA) Max | Rated Voltage (Vdc) | Rdc (Ω) Max | Insulation Resistance (M Ω) Min |
|---------------|------------------------|----------------------|-----------------------|--------------|---------------------|----------------------|---|
| CMM11T-600M-N | 60 | 100 | 20 | 300 | 20 | 0.40 | 10 |
| CMM11T-670M-N | 67 | 100 | 20 | 300 | 50 | 0.25 | 10 |
| CMM11T-900M-N | 90 | 100 | 20 | 250 | 50 | 0.30 | 10 |
| CMM11T-121M-N | 120 | 100 | 20 | 200 | 50 | 0.40 | 10 |
| CMM11T-161M-N | 160 | 100 | 20 | 160 | 50 | 0.43 | 10 |

- When ordering, please specify tolerance and packaging codes. Ex:CMM11T-600M-N
- Tolerance : M = $\pm 20\%$
- Packaging : Clear tape and reel { standard }.
- Z : Agilent/HP4287A+Agilent16197A
- Rdc(single line) :Chroma16502
- Insulation Resistance : Agilent/HP4339B
- Operating temperature range from -40°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4287A Material/Impedance Analyzer

Typical Impedance vs. Frequency

