

Surface Mount Common Mode Choke



FEATURES

- Operating temperature: -40 °C to +85 °C
- Excellent solderability and resistance to soldering heat
- Suitable for flow and reflow soldering
- High reliability and easy surface mount assembly
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

APPLICATIONS

- USB 2.0 and IEEE1394
- Notebook and personal computer
- Digital camera
- Scanner

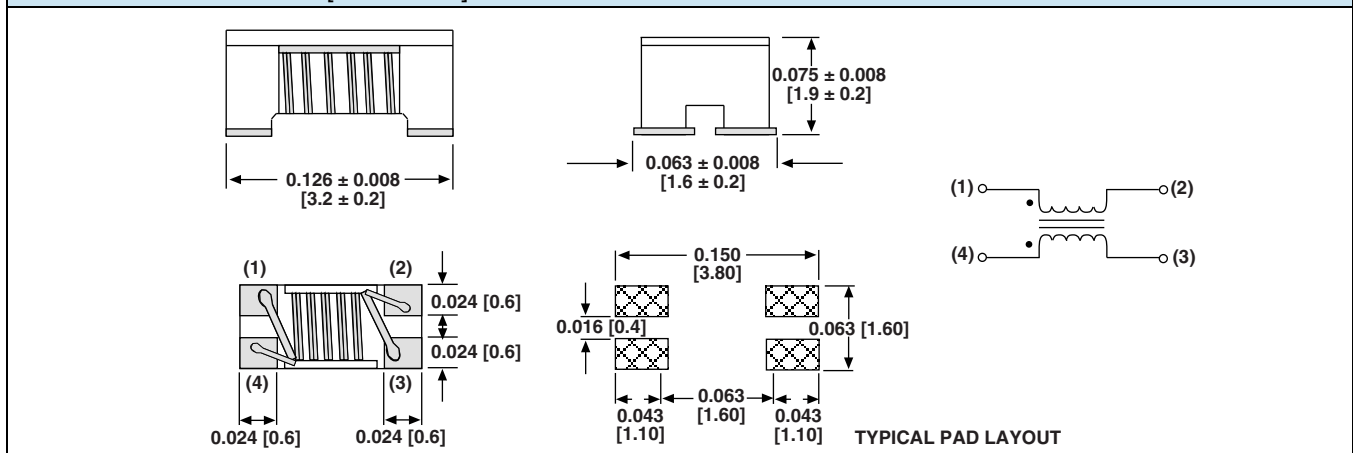
STANDARD ELECTRICAL SPECIFICATIONS

| COMMON MODE IMPEDANCE AT 100 MHz, ± 20 % (Ω) ⁽¹⁾ | RATED VOLTAGE (V _{DC}) | WITHSTANDING VOLTAGE (V _{DC}) | RATED CURRENT MAX. (mA) ⁽²⁾ | DC RESISTANCE MAX. (Ω) | INSULATION RESISTANCE MIN. (MΩ) |
|---|----------------------------------|---|--|------------------------|---------------------------------|
| 90 | 50 | 125 | 370 | 0.3 | 10 |
| 160 | 50 | 125 | 340 | 0.4 | 10 |
| 260 | 50 | 125 | 310 | 0.5 | 10 |
| 600 | 50 | 125 | 260 | 0.8 | 10 |
| 1000 | 50 | 125 | 230 | 1.0 | 10 |
| 2200 | 50 | 125 | 200 | 1.2 | 10 |

Notes

- (1) Impedance is measured in HP4287A at a frequency of 100 MHz.
 (2) For a 15 °C rise.

DIMENSIONS in inches [millimeters]



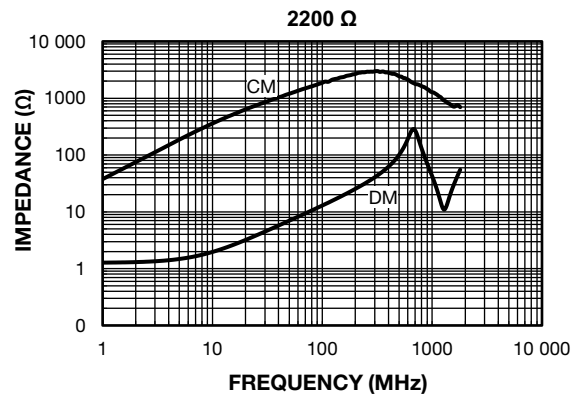
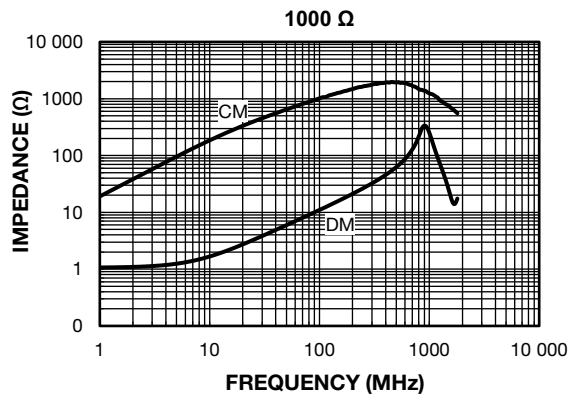
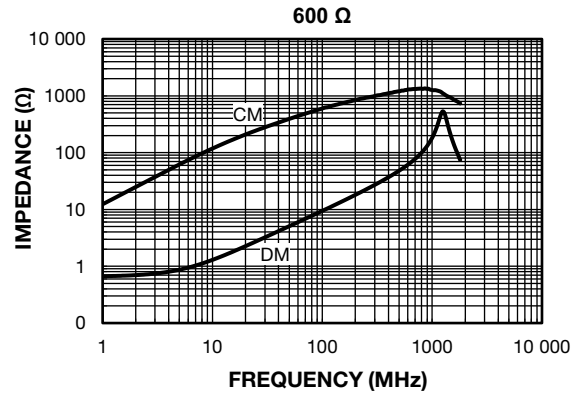
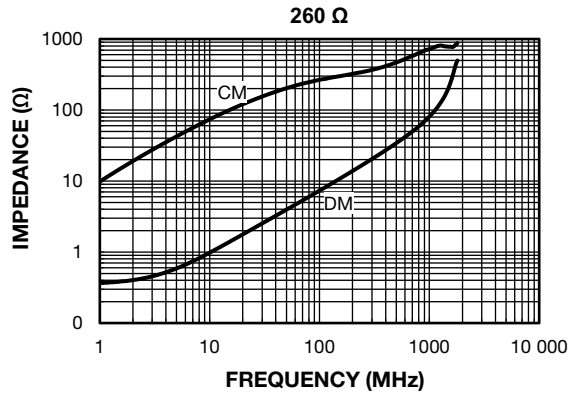
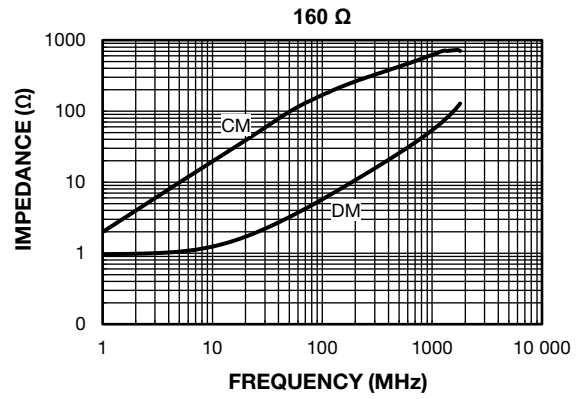
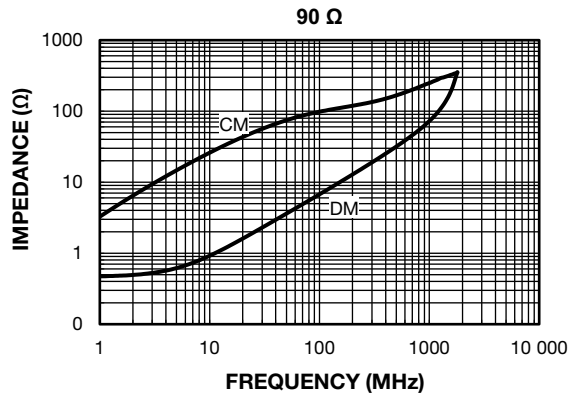
DESCRIPTION

| | | | | |
|----------|-----------------|----------------------|--------------|--------------------------------|
| ICM-1206 | 600 | ± 20 % | ER | e3 |
| MODEL | IMPEDANCE VALUE | INDUCTANCE TOLERANCE | PACKAGE CODE | JEDEC® LEAD (Pb)-FREE STANDARD |

GLOBAL PART NUMBER

| | | | | | | | | | | | | |
|----------------|---|---|------|---|---|---|--------------|---|-----------|---|---|------|
| I | C | M | 1 | 2 | 0 | 6 | E | R | 6 | 0 | 1 | M |
| PRODUCT FAMILY | | | SIZE | | | | PACKAGE CODE | | IMPEDANCE | | | TOL. |

PERFORMANCE GRAPHS: IMPEDANCE VS. FREQUENCY CHARACTERISTICS





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