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

Pb-free

RoHS COMPLIANT

APPLICATIONS

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

STANDARD ELECTRICAL SPECIFICATIONS

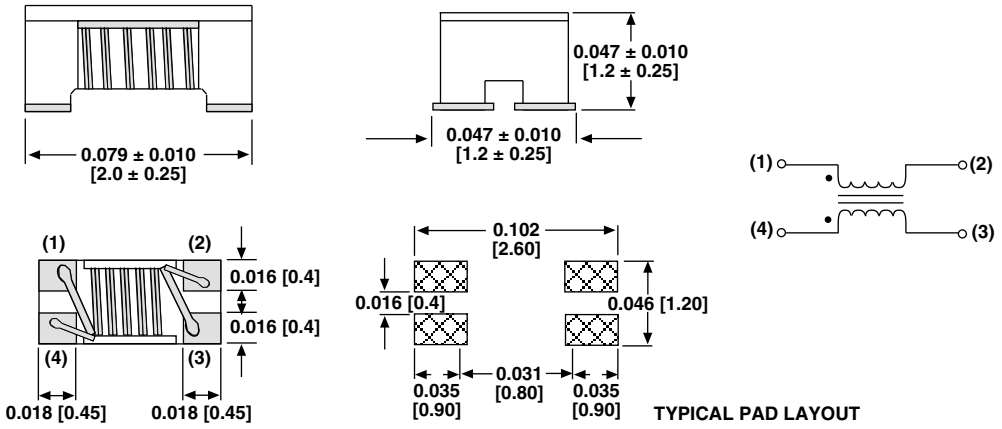
COMMON MODE IMPEDANCE AT 100 MHz, ± 20 % (Ω) (1)	RATED VOLTAGE (V_{DC})	WITHSTANDING VOLTAGE (V_{DC})	RATED CURRENT MAX. (mA) (2)	DC RESISTANCE MAX. (Ω)	INSULATION RESISTANCE MIN. (MΩ)
30	50	125	450	0.20	10
67	50	125	400	0.25	10
90	50	125	330	0.35	10
120	50	125	370	0.30	10
160	50	125	350	0.35	10
180	50	125	330	0.35	10
260	50	125	300	0.40	10
370	50	125	280	0.45	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-0805	120	± 20 %	ER	e3
MODEL	IMPEDANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

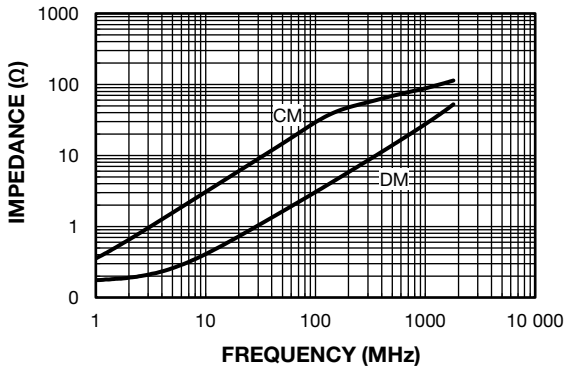
I	C	M	0	8	0	5	E	R	1	2	1	M
PRODUCT FAMILY			SIZE				PACKAGE CODE		IMPEDANCE			TOL.

For technical questions, contact: magnetics@vishay.com

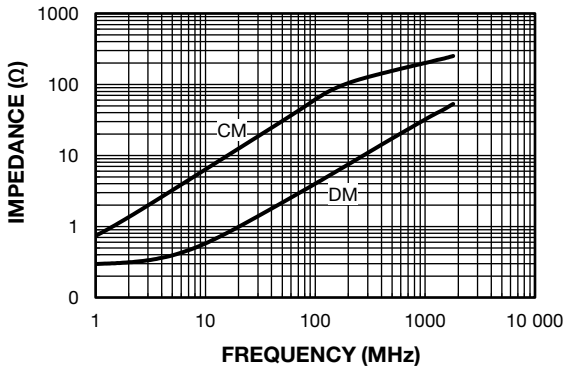
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PERFORMANCE GRAPHS: IMPEDANCE VS. FREQUENCY CHARACTERISTICS

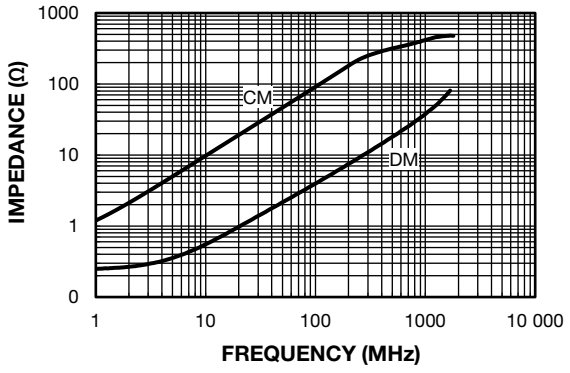
30 Ω



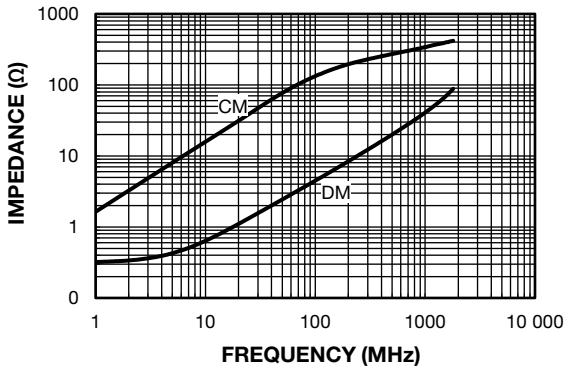
67 Ω



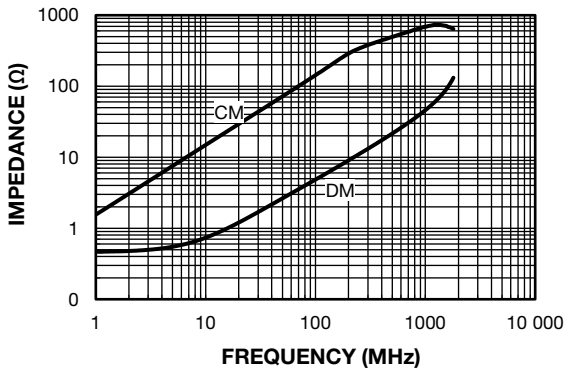
90 Ω



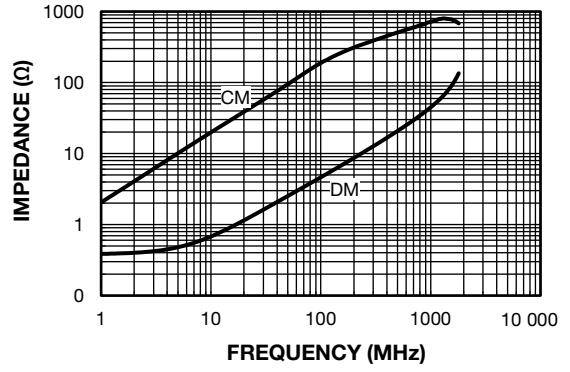
120 Ω



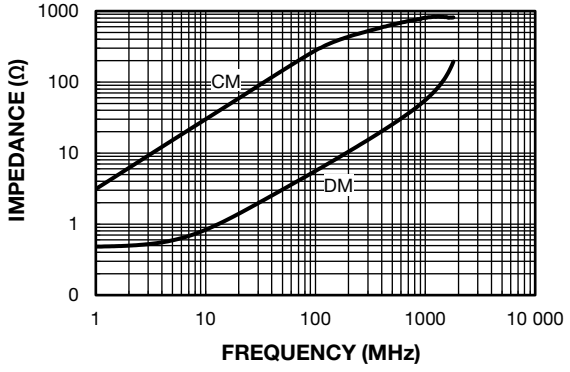
160 Ω



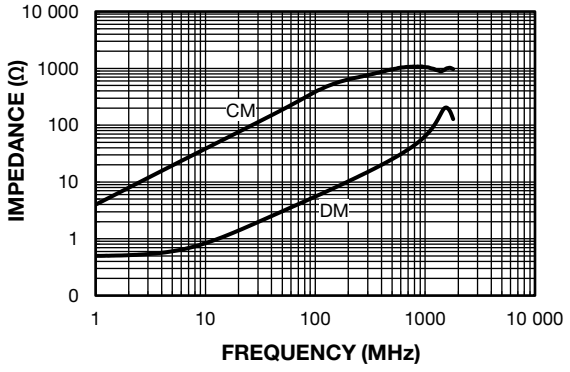
180 Ω



260 Ω



370 Ω



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