



**THE DATASHEET OF  
ICM1206ER601M**



## 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](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### LINKS TO ADDITIONAL RESOURCES


[Product Page](#)

### APPLICATIONS

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

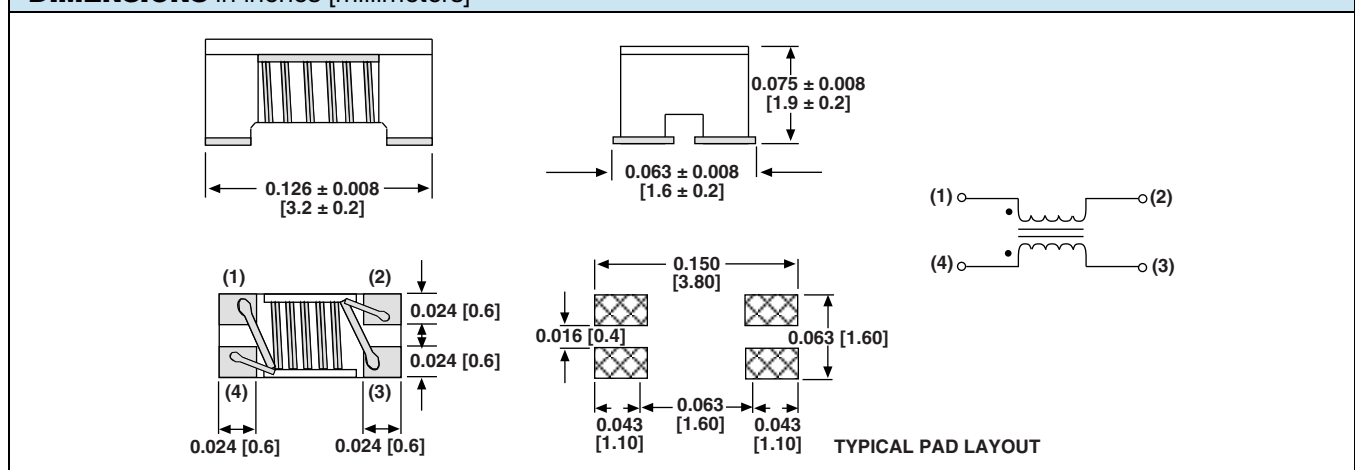
### STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	COMMON MODE IMPEDANCE AT 100 MHz, ± 20 % (Ω) <sup>(1)</sup>	RATED VOLTAGE (V <sub>DC</sub> )	WITHSTANDING VOLTAGE (V <sub>DC</sub> )	RATED CURRENT MAX. (mA) <sup>(2)</sup>	DC RESISTANCE MAX. (Ω)	INSULATION RESISTANCE MIN. (MΩ)
ICM1206ER900M	90	50	125	370	0.3	10
ICM1206ER161M	160	50	125	340	0.4	10
ICM1206ER261M	260	50	125	310	0.5	10
ICM1206ER601M	600	50	125	260	0.8	10
ICM1206ER102M	1000	50	125	230	1.0	10
ICM1206ER222M	2200	50	125	200	1.2	10

#### Notes

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

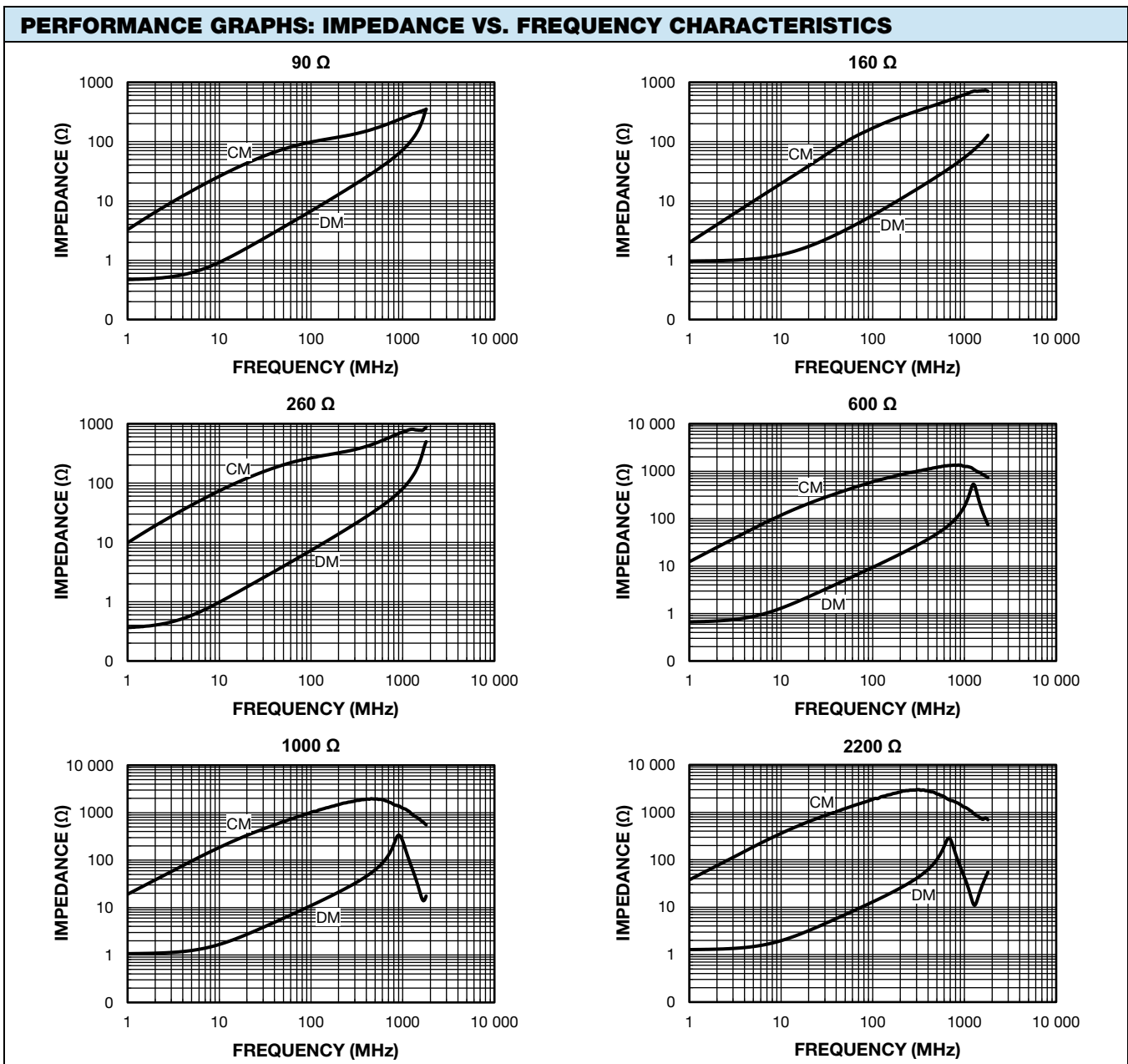
### DIMENSIONS in inches [millimeters]





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 VALUE	TOLERANCE
		ER = tape and reel	601 = 600 Ω	M = 20 %





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