

High Frequency, Surface Mount Inductors



STA	NDAF		SPECIFICATIONS				
IND. (nH)	TOL.	(M	FREQ. Hz) Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
3.3 6.8 8.2 10 12 15 18 22 27 33 39 47 56 88 21 100 150 180 2270 330 470 560 680 750 820 910 1000 1200 1500 1800 2270 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 3300 4700 47	□₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	100 100 100 100 100 100 100 100 100 100	1000 1000 1000 1000 1000 500 350 350 350 350 100 100 100 100 100 100 100 100 100 1	5555666666666666666445555555550000000000	6000 5500 4300 2700 2700 2500 1800 1500 1100 1100 1100 950 880 800 730 650 430 380 380 380 380 380 380 380 280 290 130 480 480 480 480 480 480 480 48	0.06 0.06 0.08 0.08 0.010 0.10 0.10 0.10 0.110 0.12 0.13 0.22 0.33 0.45 0.90 1.15 0.22 2.33 1.30 2.23 2.36 2.36 4.30 4.50 4.50 4.50 6.50 14.00	1000 1000 1000 1000 1000 1000 1000 100

FEATURES

- High self-resonant frequency values
- · High Q values at higher frequencies



- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 2000/reel
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

ELECTRICAL SPECIFICATIONS

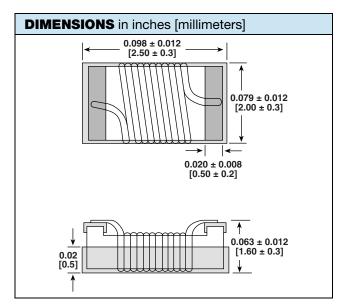
Inductance Range: 3.3 nH to 47 000 nH **Inductance and Tolerance:** 0.3 nH for 3.3 nH

± 5 % for 6.8 nH to 47 000 nH

Operating Temperature: -40 °C to +125 °C **Core Material:** Ceramic from 3.3 nH to 1000 nH Ferrite from 1200 nH to 47 000 nH

TEST EQUIPMENT

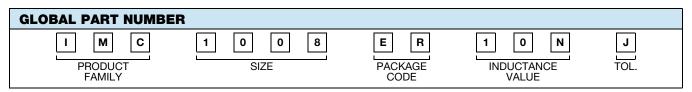
- Inductance and Q measured on HP4286A
- SRF measured on HP8753D



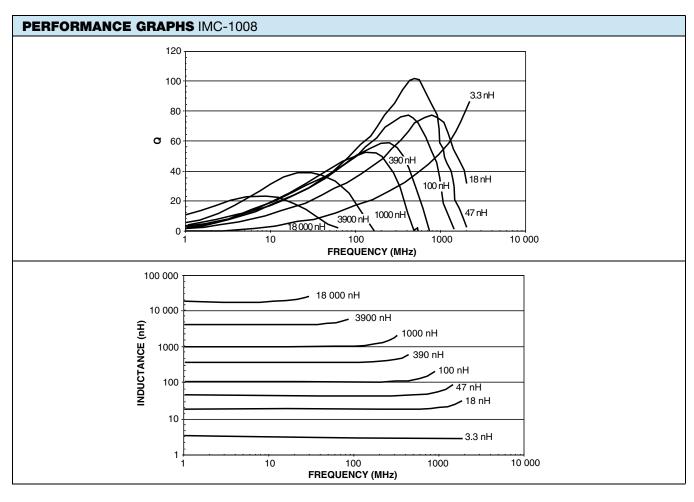
DESCRIPTION							
IMC-1008	10 nH	± 5 %	ER	e4 ⁽¹⁾			
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD			

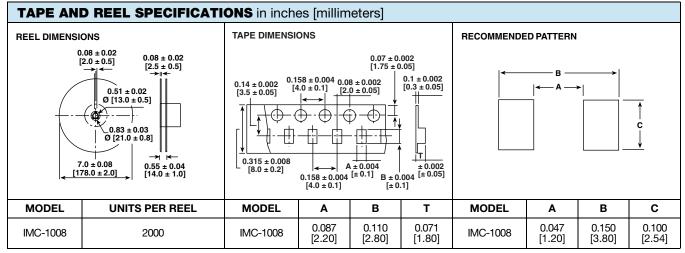
Note

(1) For parts within 3.3 nH to 910 nH please use e4 for JEDEC lead (Pb)-free standard. For parts within 1000 nH to 47 000 nH please use e3 for JEDEC lead (Pb)-free standard.











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Vishay

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Revision: 02-Oct-12 Document Number: 91000

Mouser Electronics

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Vishay:

IMC1008ER100J	IMC1008ER56NJ	IMC1008ERR47J	IMC1008ER10NJ	IMC1008ER1R0J	IMC1008ER22NJ
IMC1008ER27NJ	IMC1008ER2R2J	IMC1008ER2R7J	IMC1008ER47NJ	IMC1008ER4R7J	IMC1008ER6R8J
IMC1008ER8R2J	IMC1008ERR10J	IMC1008ERR22J	IMC1008ERR27J	IMC1008ER120J	IMC1008ER150J
IMC1008ER15NJ	IMC1008ER18NJ	IMC1008ER1R5J	IMC1008ER1R8J	IMC1008ER220J	IMC1008ER33NJ
IMC1008ER39NJ	IMC1008ER3N3S	IMC1008ER3R3J	IMC1008ER3R9J	IMC1008ER68NJ	IMC1008ER6N8J
IMC1008ER82NJ	IMC1008ER8N2J	IMC1008ERR12J	IMC1008ERR15J	IMC1008ERR18J	IMC1008ERR33J
IMC1008ERR39J	IMC1008ERR56J	IMC1008ERR82J	IMC1008ERR91J	IMC1008ER12NJ	IMC1008ER1R2J
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