

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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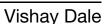
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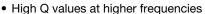
## **High Frequency, Surface Mount Inductors**



STA	NDAF	RD EI	SPECIFICATIONS				
IND. (nH)	TOL.	L (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 47 56 68 82 100 1200 150 330 470 560 680 750 820 910 1200 1200 1200 1200 1200 1200 120	П П 15 15 15 15 15 15 15 15 15 15 15 15 15	100 100 100 100 100 100 100 100 100 100	1000 1000 1000 1000 500 500 350 350 350 350 350 100 100 100 100 100 100 100 7.96 7.96 7.96 7.96 7.96 7.96 7.96 7.96	5555566666666666666664455555555566666666	6000 5500 4300 2700 2700 2500 1800 1700 1500 1300 1100 950 480 800 730 480 380 360 330 330 330 330 330 310 280 250 200 130 450 200 130 200 130 200 130 200 130 200 130 200 130 200 200 200 200 200 200 200 2	0.06 0.06 0.08 0.08 0.10 0.10 0.10 0.10 0.12 0.18 0.22 0.33 0.45 0.79 0.10 1.06 1.17 1.506 2.20 2.31 1.62 2.35 2.60 4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.5	1000 1000 1000 1000 1000 1000 1000 100

#### **FEATURES**

High self-resonant frequency values





• 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 <a href="https://www.vishav.com/doc?99912"><u>www.vishav.com/doc?99912</u></a>

#### **ELECTRICAL SPECIFICATIONS**

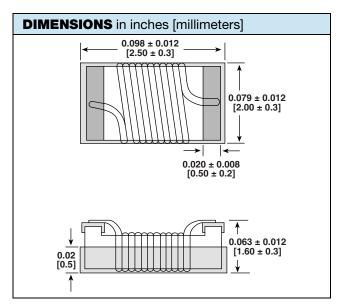
Inductance Range: 3.3 nH to 47 000 nH Inductance and Tolerance: 0.3 nH for 3.3 nH

± 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**

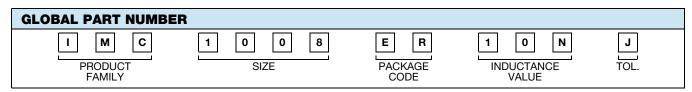
- Inductance and Q measured on HP4286A
- SRF measured on HP8753D



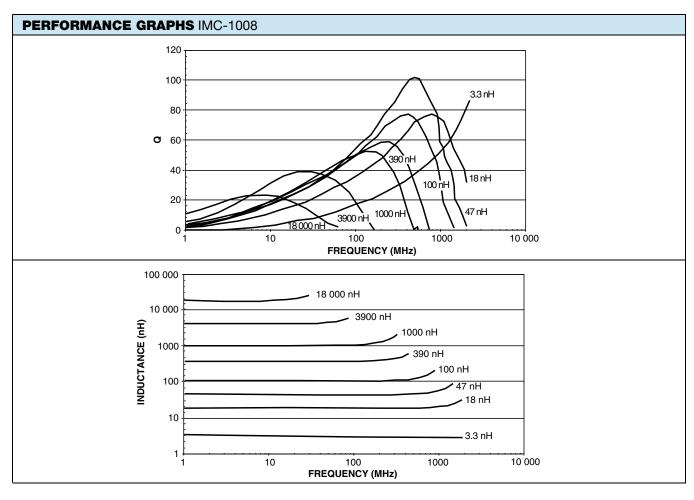
DESCRIPTION								
IMC-1008	10 nH	± 5 %	ER	e4 <sup>(1)</sup>				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD				

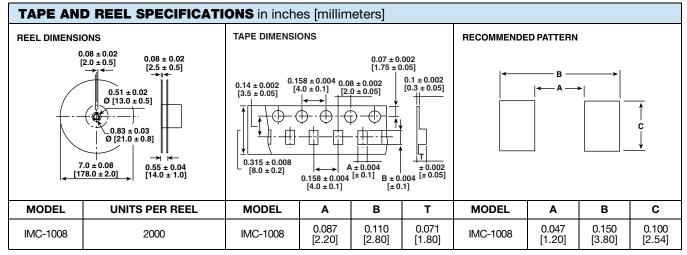
#### Note

(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.











## **Legal Disclaimer Notice**

Vishay

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