IMC-1008

www.vishay.com

Vishay Dale

High Frequency, Surface Mount Inductors



10 nH

INDUCTANCE VALUE

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

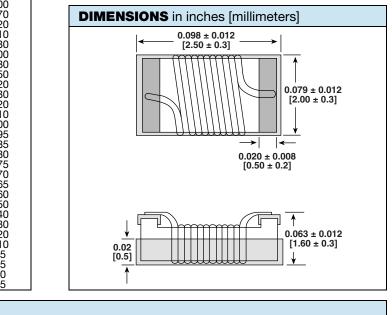
Core Material: Ceramic from 3.3 nH to 1000 nH Ferrite from 1200 nH to 47 000 nH

TEST EQUIPMENT

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

ER

PACKAGE CODE



N	ote	

(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.

± 5 %

INDUCTANCE TOLERANCE

GLOBAL PART NUMBER							
I M C PRODUCT FAMILY	1 0 0 8 SIZE	PACKAGE CODE	1 0 N INDUCTANCE VALUE	J TOL.			
Revision: 08-Jan-15	1		Docum	ent Number: 34041			

DESCRIPTION IMC-1008

MODEL

ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishav.com/doc?91000

e4 (1)

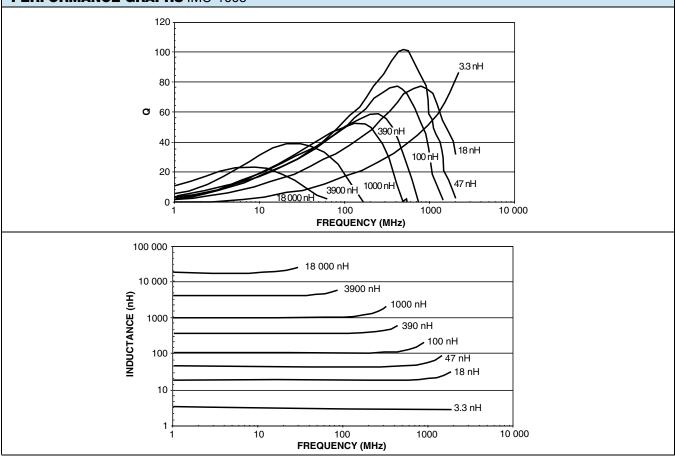
JEDEC[®] LEAD (Pb)-FREE STANDARD

RoHS COMPLIANT www.vishay.com

IMC-1008 Vishay Dale

PERFORMANCE GRAPHS IMC-1008

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TAPE AND REEL SPECIFICATIONS in inches [millimeters]											
REEL DIMENSI	08 + 0.02	TAPE DIMENSIONS			RECOMMENDED PATTERN						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			$\begin{vmatrix} & & & B \\ & & A \\ \hline \\ & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & A \\ \hline \\ & & & & & & A \\ \hline \\ \\ & & & & & & A \\ \hline \\ \\ & & & & & & & A \\ \hline \\ \\ & & & & & & & A \\ \hline \\ \\ & & & & & & & & A \\ \hline \\ \\ & & & & & & & & A \\ \hline \\ \\ & & & & & & & & & & & & & & & &$						
MODEL	UNITS PER REEL	MODEL	Α	В	т	MODEL	Α	В	С		
IMC-1008	2000	IMC-1008	0.087 [2.20]	0.110 [2.80]	0.071 [1.80]	IMC-1008	0.047 [1.20]	0.150 [3.80]	0.100 [2.54]		

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