Excellent Integrated System Limited

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Vishay/Dale IMC1008ER100J

For any questions, you can email us directly: sales@integrated-circuit.com

Distributor of Vishay/Dale: Excellent Integrated System Limited

Datasheet of IMC1008ER100J - FIXED IND 10UH 150MA 3.5 OHM SMD

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



IMC-1008

Vishay Dale

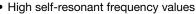
High Frequency, Surface Mount Inductors

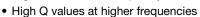
RATED DC CURRENT



	, RO	No.		2	1		
STA	NDARD E	LECTRI	CAL	SPEC	IFIC#	TIONS	,
	TEST	FREQ		SRF	DCB	BATED I	7

FI	EA1	TUR	RES
•	High	ı sel	f-res
		_	





RoHS

· 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.vishav.com/doc?99912

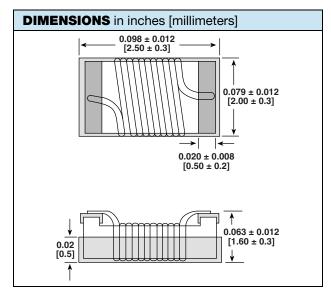
ELECTRICAL SPECIFICATIONS

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



(1111)		L	Q		(MHz)	(Ω)	(mA)
3.3 6.8 8.2 10 12 15 18 22 27 33 39 47 56 68 82 100 120 270 330 470 560 680 750 820 910 1200 1270 3300 1270 3300 1200 1200 1200 1270 3300 1200 1200 1200 1200 1200 1200 120	H 6.555555555555555555555555555555555555	100 100 100 100 100 100 100 100 100 100	1000 1000 1000 1000 1000 500 500 350 350 350 350 350 350 100 100 100 100 100 100 100 100 100 1	50 50 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	5500 5500 5500 4300 2700 2700 1800 1700 11500 11	0.06 0.06 0.08 0.08 0.010 0.11	1000 1000 1000 1000 1000 1000 1000 100

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

(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.

GLOBAL PART NUMBER						
PRODUCT FAMILY	1 0 0 8 SIZE	PACKAGE CODE	1 0 N INDUCTANCE VALUE	٦٦		

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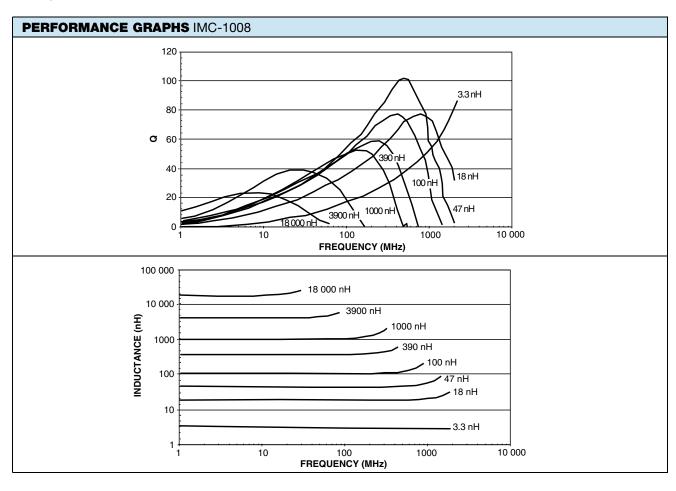
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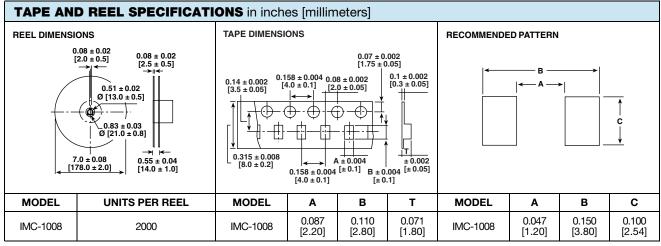


www.vishay.com

IMC-1008

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Vishay

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