# IMC-1812

www.vishay.com

Vishay Dale

## Wirewound, Surface-Mount, Molded Inductors



### **FEATURES**

- Molded construction provides superior strength and moisture resistance
- RoHS
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- Printed marking
- · Compatible with vapor phase and infrared reflow soldering
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

### **ELECTRICAL SPECIFICATIONS**

Inductance range: 0.010 µH to 1000 µH

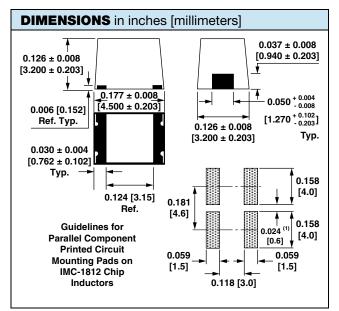
Special tolerances available upon request

Operating temperature: -55 °C to +125 °C

Coilform material: non-magnetic for 0.010 µH to 0.82 µH; powdered iron for 1.0 µH to 120 µH; ferrite for 150 µH to 1000 µH

### TEST EQUIPMENT

- H/P 4342A Q meter with Vishay Dale test fixture or equivalent
- H/P 4191A SRF RF impedance analyzer (for measurements)
- Wheatstone bridge



#### Note

<sup>(1)</sup> Recommended minimum spacing between components

#### PART MARKING

- Vishay Dale
- Inductance code
- Date code

Note Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient

#### Revision: 10-Sep-2019

1 For technical questions, contact: magnetics@vishay.com Document Number: 34044

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COMPLIANT

VISHAY.	IMC-1812
www.vishay.com	Vishay Dale
DESCRIPTION	

IMC-1812	10 µH	± 10 %	ER	e3	
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC <sup>®</sup> LEAD (Pb)-FREE STANDARD	

GLOBAL PART NUMBE	R			
I M C PRODUCT FAMILY	1 8 1 2 SIZE	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	K TOL.



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