



Wirewound, Surface Mount, Molded Inductors



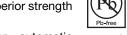


STA	STANDARD ELECTRICAL SPECIFICATIONS								
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾			
0.010 0.012 0.018 0.022 0.027 0.033 0.039 0.047 0.056 0.068 0.082 0.10 0.12 0.18 0.22 0.27 0.33 0.39 0.47 0.566 0.68 0.82 1.0 1.2 1.5 1.8 2.2 2.7 5.6 6.8 8.2 1.0 1.2 1.5 1.8 2.2 2.7 5.6 6.8 8.2 1.0 1.2 1.5 1.8 0.22 0.7 0.33 0.39 0.47 0.56 0.68 0.82 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	± 20 % ± 10 %	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 25.2	50 50 50 50 50 50 50 50 50 50 50 50 50 5	1000 1000 1000 1000 1000 1000 1000 100	0.20 0.20 0.20 0.20 0.20 0.30 0.30 0.30 0.35 0.40 0.35 0.40 0.55 0.60 0.70 0.80 1.20 0.55 0.60 0.70 0.75 0.80 1.10 1.60 0.70	450 450 450 450 450 450 450 450			

Note

FEATURES

 Molded construction provides superior strength and moisture resistance



• Tape and reel packaging for automatic RoHS

- · Printed marking
- · Compatible with vapor phase and infrared reflow soldering
- Compliant to RoHS Directive 2002/95/EC

ELECTRICAL SPECIFICATIONS

Inductance Range: 0.010 µH to 1000 µH

Inductance Tolerance: ± 20 % for 0.010 µH to 0.39 µH

 \pm 10 % for 0.47 μH to 1000 μH standard

 \pm 10 %, \pm 5 %, \pm 3 % available

handling, 2000/reel, EIA-481

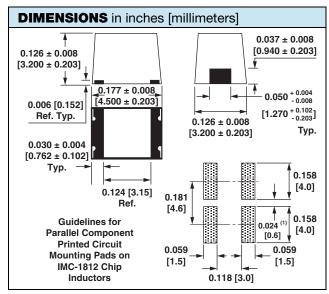
Operating Temperature: - 55 °C to + 125 °C

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 RF impedance analyzer (for SRF measurements)
- Wheatstone bridge



Note

(2) Recommended minimum spacing between components

PART MARKING

- Vishay Dale
- Inductance value
- Date code

⁽¹⁾ Rated DC current based on the maximum temperature rise, not to exceed 40 °C at + 85 °C ambient

IMC-1812

Vishay Dale

Wirewound, Surface Mount, Molded Inductors



DESCRIPTION								
IMC-1812	10 μΗ	± 10 %	ER	e3				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				

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



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Vishay

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Revision: 02-Oct-12 Document Number: 91000

Mouser Electronics

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