

Wirewound, Surface Mount Molded Inductors



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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 0.015 0.018 0.027 0.033 0.039 0.056 0.080 0.12 0.15 0.23 0.39 0.47 0.68 0.82 1.2 1.5 1.2 1.5 1.2 1.5 1.2 1.5 1.2 1.5 1.2 1.5 1.5 1.2 1.5 1.6 1.2 1.5 1.6 1.2 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	20 %% % % % % % % % % % % % % % % % % %	500 5500 5500 5500 5500 5500 5500 5500	30000000000000000000000000000000000000	1000 1000 1000 1000 1000 1000 1000 100	0.146 0.116 0.122247 0.336 0.444225826 0.45555067 0.8590 1.1.2.356 1.2.2.2.33.560 0.00.00.00.00.00.00.00.00.00.00.00.00.	734 7061 624 592 564 530 450 450 450 450 450 450 450 450 450 45

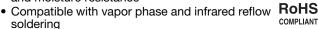
Note

FEATURES

· Printed marking

2000/reel, EIA-481

 Molded construction provides superior strength and moisture resistance





- Soldering
 Tape and reel packaging for automatic handling,
- Compliant to RoHS Directive 2002/95/EC

ELECTRICAL SPECIFICATIONS

Inductance Range: 0.01 μH to 220 μH

Inductance and Tolerance: \pm 20 % for 0.01 μ H to 0.82 μ H, \pm 10 % for 1.0 μ H to 220 μ H standard. Special tolerances available.

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

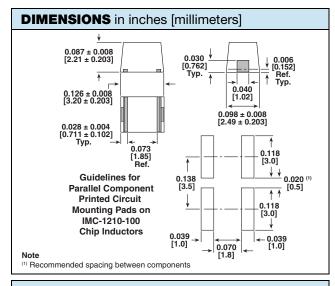
Coilform Material: Non-magnetic from 0.01 μH to 0.10 μH

Powdered iron from 0.12 μH to 100 μH

Ferrite from 120 µH to 220 µH

TEST EQUIPMENT

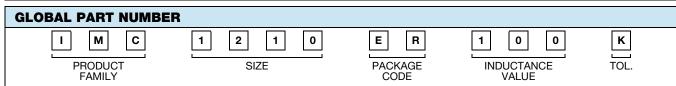
- HP4342A Q meter with Vishay Dale test fixture or equivalent
- HP4191A RF impedance analyzer (for SRF measurements)
- Wheatstone brigde



PART MARKING

- Vishay Dale
- Inductance value
- Date code

DESCRIPTION							
IMC-1210	10 µH	± 10 %	ER	e3			
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD			



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 $^{^{(1)}}$ Rated DC current based on the maximum temperature rise, not to exceed 40 $^{\circ}\text{C}$ at + 85 $^{\circ}\text{C}$ ambient



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Vishay

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