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Wirewound, Surface-Mount, Molded, Shielded Inductors

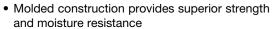




STAN	NDARD ELECTRICAL SPECIFICATIONS								
IND. (µH)	TOL.	TEST FREQ. (MHz)	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾			
0.10 0.12 0.15 0.18 0.22 0.33 0.39 0.47 0.56 0.68 0.82 1.0 1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8 8.2 10.0 12.0 15.0 18.0 22.0 27.0 33.0 39.0 47.0 56.0 68.0 82.0 100.0 120.0 150.0 120.0 150.0 180.0 270.0 330.0 330.0 330.0	± 20 % ± 10 %	<u> </u>	30 30 30 30 30 30 30 30 30 30 30 30 30 3						
470.0 560.0 680.0 820.0 1000.0	± 10 % ± 10 % ± 10 % ± 10 % ± 10 %	0.796 0.796 0.796 0.796 0.252	40 30 40 30 30	3.3 2.8 2.6 2.2 2.0	9.20 10.50 12.00 13.50 16.00	87 82 76 72 66			

Note

FEATURES





 Tape and reel packaging for automatic handling, 2000/reel, EIA-481

RoHS COMPLIANT

· Compatible with vapor phase and infrared reflow soldering

- **HALOGEN** FREE
- Shielded construction minimizes coupling to other components
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

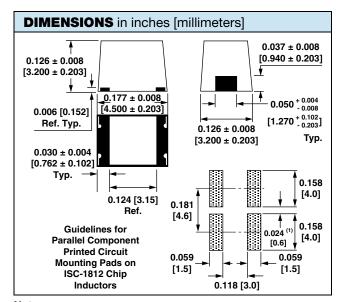
ELECTRICAL SPECIFICATIONS

Inductance range: 0.10 µH to 1000 µH Special tolerances available upon request Operating temperature: -55 °C to +125 °C

Coilform material: non-magnetic for 0.10 µH to 0.82 µH; powdered iron for 1.0 µH to 22 µH; ferrite for 27 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



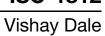
(1) Recommended minimum spacing between components

PART MARKING

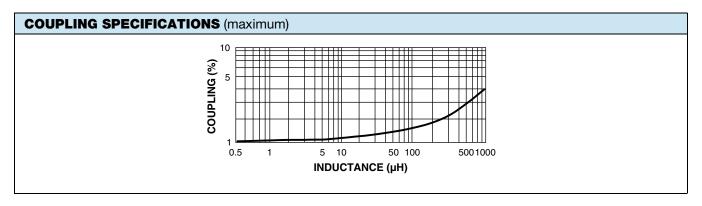
- Vishay Dale
- Inductance code
- Date code

Revision: 10-Sep-2019 Document Number: 34061

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







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

GLOBAL PART NUMBER						
PRODUCT FAMILY	1 8 1 2 SIZE	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	K TOL.		





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