RoHS

COMPLIANT

HALOGEN

FREE



Wirewound, Surface-Mount, Molded, Shielded Inductors



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 0.015 0.018 0.022 0.027 0.039 0.047 0.056 0.082 0.10 0.12 0.15 0.18 0.22 0.27 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 27.0 33.0 39.0 47.0 56.0 68.0 82.0 27.0 33.0 39.0 56.0 68.0 81.0 100.0 Note	± 20 % ± 10 %	50 50 50 50 50 50 50 50 50 50 25.2 25.2	50 50 50 50 50 50 50 50 50 50 50 50 50 5	1000 1000 1000 1000 1000 1000 1000 100	0.10 0.11 0.12 0.13 0.15 0.17 0.28 0.35 0.40 0.20 0.20 0.24 0.30 0.33 0.36 0.40 0.48 0.50 0.65 0.75 0.80 1.10 1.25 1.40 1.60 1.60 1.60 1.60 1.75	810 750 640 640 610 585 580 485 460 630 600 580 565 500 475 460 450 450 450 270 220 210 205 185 165 115 105 105 105 105 105 105 105 105 10		

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

FEATURES

- · Molded construction provides superior strength and moisture resistance
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- · Compatible with vapor phase, infrared, and wave soldering methods
- Shielded construction minimizes coupling to other components
- · Material categorization: for definitions of compliance please see www.vishav.com/doc?99912

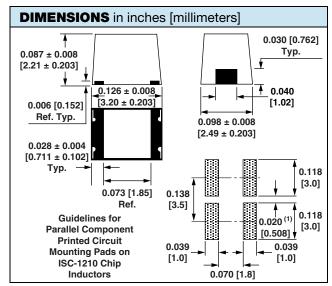
ELECTRICAL SPECIFICATIONS

Inductance range: 0.01 µH to 100 µH Special tolerances available upon request Operating temperature: -55 °C to +125 °C

Coilform material: non-magnetic for 0.01 µH to 0.10 µH;; powdered iron for 0.12 µH to 100 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

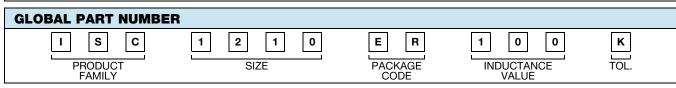


Recommended minimum spacing between components

PART MARKING

- Vishay Dale Inductance code
- Date code

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



Revision: 10-Sep-2019 Document Number: 34060



Vishay

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