RoHS

COMPLIANT

**HALOGEN** 

FREE



# Wirewound, Surface-Mount, Molded, Shielded Inductors

**FEATURES** 



STANDARD ELECTRICAL SPECIFICATIONS								
IND. (μH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(1)</sup>		
0.010 0.012 0.015 0.018 0.022 0.027 0.033 0.039 0.047 0.056 0.082 0.10 0.12 0.27 0.33 0.39 0.47 0.56 0.68 0.82 1.0 1.2 1.5 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 15.0 15.0 15.0 15.0 15.0 15.0 15	±20%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	50 50 50 50 50 50 50 50 50 50 50 25.2 25.2	500 550 555 555 555 555 555 555 555 555	1000 1000 1000 1000 1000 1000 1000 100	0.10 0.11 0.12 0.13 0.15 0.17 0.24 0.26 0.28 0.35 0.45 0.20 0.24 0.30 0.33 0.36 0.44 0.46 0.48 0.50 0.65 0.75 0.85 0.90 1.10 1.25 1.40 1.60 1.65 2.30 2.70 3.31 3.30 3.00	810 750 720 690 640 610 585 530 485 460 630 630 630 630 475 465 450 455 450 455 450 220 210 210 210 210 210 210 210 210 21		

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

- · 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

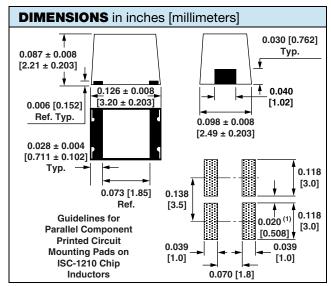
### **ELECTRICAL SPECIFICATIONS**

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

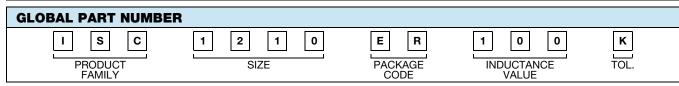


Recommended minimum spacing between components

## 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				



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Vishay

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