

RoHS



Wirewound, Surface Mount, Molded, Shielded Inductors



STAN	IDARD	ELECT	RICA	L SPE	CIFIC	ATIONS		
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (1) (mA)		
0.010 0.012 0.015 0.022 0.033 0.0347 0.0568 0.082 0.115 0.12 0.27 0.339 0.47 0.582 1.0 1.2 2.3 3.9 4.7 6.8 2.7 3.3 9.0 12.0 3.3 9.0 12.0 13.0 12.0 13.0 12.0 13.0 13.0 14.0 15.0 16.0 16.0 16.0 16.0 16.0 16.0 16.0 16	$\begin{array}{l} \pm 200\%$	50000000000000000000000000000000000000	5000555440008660000000000000000000000000	1000 1000 1000 1000 1000 1000 1000 100	0.10 0.11 0.12 0.13 0.15 0.17 0.24 0.26 0.35 0.45 0.20 0.20 0.20 0.30 0.36 0.44 0.46 0.46 0.45 0.60 1.20 1.20 1.60	810 750 640 640 6185 530 495 460 600 5865 500 475 460 455 450 455 450 390 250 220 210 185 1155 1155 1155 1155 1155 1155 115		

Note

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 methodsfio

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- Shielded construction minimizes coupling to other components
- Compliant to RoHS directive 2002/95/EC

ELECTRICAL SPECIFICATIONS

Inductance Range: $0.01~\mu H$ to $100~\mu H$

Inductance Tolerance: \pm 20 % for 0.01 μ H to 0.82 μ H

 \pm 10 % for 1.0 $\mu\dot{H}$ to 100 $\mu\dot{H}$ standard

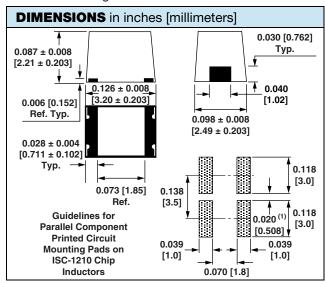
± 5 %, ± 3 % available

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



Note

(1) Recommended minimum spacing between components

PART MARKING

- Vishay Dale
- Inductance value
- Date code

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

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

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



Vishay

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