

Vishay Dale

## Wirewound, Surface Mount, Molded, Shielded Inductors

STAN	IDARD	ELEC	<b>FRIC</b>	AL SPE	ECIFIC	ATIONS	
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 0.039 0.047 0.056 0.082 0.10 0.12 0.15 0.082 0.07 0.056 0.082 0.12 0.12 0.12 0.273 0.39 0.47 0.568 0.227 0.339 0.47 0.568 0.227 0.339 0.47 0.568 0.82 1.2 1.2 1.5 1.2 1.2 3.3 3.9 4.6 8.2 100 15.0 12.0 15.0 12.0 15.0 12.0 1	**************************************	50 55555555555555555555555555555555555	5050555444444448860000000000000000000000	$\begin{array}{c} 1000\\$	$\begin{array}{c} 0.10\\ 0.11\\ 0.12\\ 0.13\\ 0.15\\ 0.17\\ 0.18\\ 0.26\\ 0.28\\ 0.35\\ 0.45\\ 0.20\\ 0.20\\ 0.24\\ 0.30\\ 0.33\\ 0.36\\ 0.44\\ 0.48\\ 0.50\\ 0.20\\ 0.24\\ 0.30\\ 0.33\\ 0.36\\ 0.44\\ 0.48\\ 0.50\\ 0.65\\ 0.75\\ 0.85\\ 0.90\\ 1.10\\ 1.20\\ 1.65\\ 0.90\\ 1.25\\ 0.90\\ 1.00\\ 1.25\\ 0.90\\ 1.00\\ 1.25\\ 0.90\\ 0.10\\ 0.00\\ 1.20\\ 0.00\\ 1.20\\ 0.00\\$	$\begin{array}{c} 810\\ 750\\ 690\\ 640\\ 610\\ 585\\ 495\\ 485\\ 475\\ 460\\ 630\\ 600\\ 586\\ 500\\ 475\\ 460\\ 455\\ 450\\ 455\\ 450\\ 390\\ 370\\ 350\\ 290\\ 270\\ 250\\ 210\\ 205\\ 195\\ 165\\ 155\\ 155\\ 155\\ 155\\ 100\\ 95\\ 90\\ 850\\ \end{array}$	

Note

(1)

### **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
- FREE Shielded construction minimizes coupling to other components
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

### **ELECTRICAL SPECIFICATIONS**

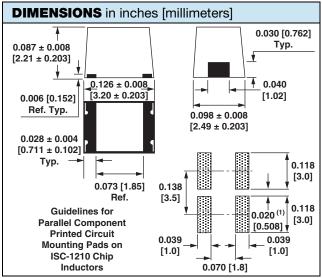
Inductance Range: 0.01 µH to 100 µH Inductance Tolerance:  $\pm$  20 % for 0.01 µH to 0.82 µH;  $\pm$  10 % for 1.0 µH to 100 µH standard;  $\pm$  5 %,  $\pm$  3 % available

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

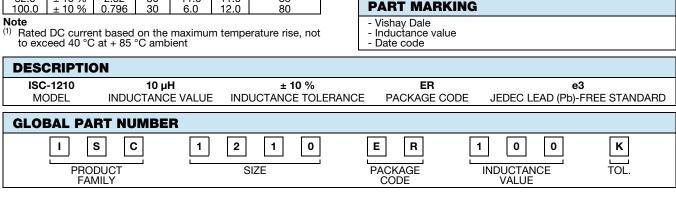
### **TEST EQUIPMENT**

- 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





RoHS

COMPLIANT

HALOGEN



Vishay

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