

Vishay Dale

## 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) <sup>(1)</sup>
$\begin{array}{c} 0.010\\ 0.012\\ 0.015\\ 0.018\\ 0.022\\ 0.027\\ 0.033\\ 0.039\\ 0.047\\ 0.056\\ 0.068\\ 0.082\\ 0.10\\ 0.12\\ 0.15\\ 0.18\\ 0.22\\ 0.27\\ 0.33\\ 0.39\\ 0.47\\ 0.56\\ 0.68\\ 0.82\\ 1.0\\ 1.2\\ 1.5\\ 1.8\\ 2.2\\ 2.7\\ 3.3\\ 3.9\\ 4.7\\ 5.6\\ 6.8\\ 8.2\\ 10.0\\ 15.0\\ 10.0\\$	$\begin{array}{l} \pm$	$\begin{array}{c} 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\$	$\begin{array}{c} 50\\ 50\\ 50\\ 55\\ 45\\ 44\\ 40\\ 40\\ 40\\ 40\\ 40\\ 40\\ 40\\ 40\\ 40$	$\begin{array}{c} 1000\\$	$\begin{array}{c} 0.10\\ 0.11\\ 0.13\\ 0.15\\ 0.17\\ 0.26\\ 0.28\\ 0.35\\ 0.20\\$	$\begin{array}{c} 810\\750\\640\\610\\5830\\495\\5495\\485\\5495\\460\\565\\600\\565\\507\\4765\\460\\550\\4755\\460\\550\\475\\460\\450\\490\\370\\220\\210\\205\\555\\150\\125\\150\\125\\115\\100\\990\\880\\\end{array}$

#### Note

<sup>(1)</sup> 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 methodsfio
- Shielded construction minimizes coupling to other components
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

#### **ELECTRICAL SPECIFICATIONS**

Inductance range: 0.01 µH to 100 µH

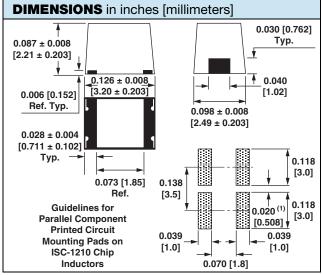
Special tolerances available upon request

Operating temperature: -55 °C to +125 °C

Coilform material: Non-magnetic for 0.01  $\mu H$  to 0.10  $\mu H;$  powdered iron for 0.12  $\mu H$  to 100  $\mu H$ 

### 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



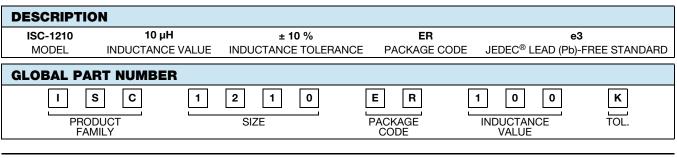
Note

<sup>(1)</sup> Recommended minimum spacing between components

- Vishay Dale

PART MARKING

Inductance value
Date code



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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