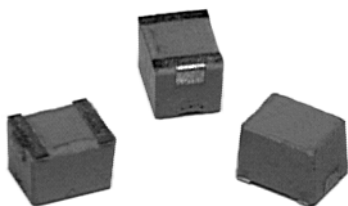


## Wirewound, Surface-Mount Molded Inductors



### STANDARD ELECTRICAL SPECIFICATIONS

IND. ( $\mu$ H)	TEST FREQ. (MHz)	Q MIN.	SRF MIN. (MHz) <sup>(1)</sup>	DCR MAX. ( $\Omega$ )	RATED DC CURRENT (mA)
	L & Q				
0.010	100	15	2500	0.13	734
0.012	100	17	2300	0.14	707
0.015	100	19	2100	0.16	661
0.018	100	21	1900	0.18	624
0.022	100	23	1700	0.20	592
0.027	100	23	1500	0.22	564
0.033	100	25	1400	0.24	540
0.039	100	25	1300	0.27	530
0.047	100	26	1200	0.30	483
0.056	100	26	1100	0.33	470
0.068	100	27	1000	0.36	450
0.082	100	27	900	0.40	450
0.10	100	28	700	0.44	450

#### Note

(1) All SRF values above 1000 MHz are typical minimums

### PART MARKING

- Vishay Dale
- Inductance code
- Date code

### FEATURES

- Printed marking
- Molded construction provides superior strength and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT

### ELECTRICAL SPECIFICATIONS

**Inductance and tolerance:**  $\pm 20\%$  for 0.010  $\mu$ H to 0.100  $\mu$ H standard;  $\pm 10\%$  for 0.010  $\mu$ H to 0.100  $\mu$ H  $\pm 5\%$  for 0.027  $\mu$ H to 0.100  $\mu$ H optional

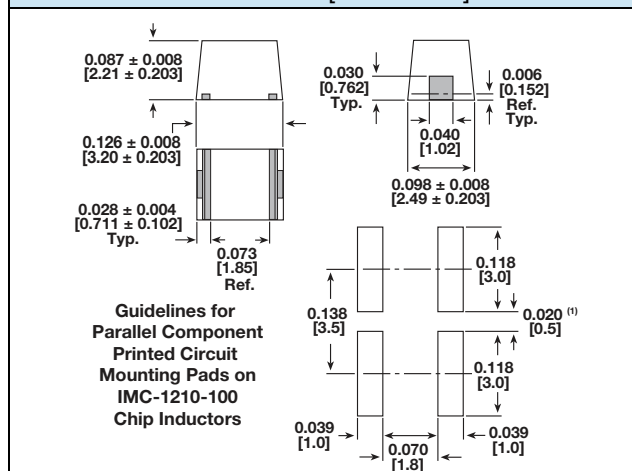
**Operating temperature:** -55 °C to +125 °C

**Core material:** non-magnetic from 0.010  $\mu$ H to 0.100  $\mu$ H

### TEST EQUIPMENT

- L, Q, SRF: HP4191A RF impedance analyzer
- DCR: Wheatstone bridge or equivalent

### DIMENSIONS in inches [millimeters]



#### Note

(1) Recommended spacing between components

### DESCRIPTION

<b>IMC-1210-100</b>	<b>0.010 <math>\mu</math>H</b>	<b><math>\pm 20\%</math></b>	<b>ER</b>	<b>e3</b>
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

### GLOBAL PART NUMBER

<b>I</b>	<b>M</b>	<b>C</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>E</b>	<b>R</b>	<b>1</b>	<b>0</b>	<b>N</b>	<b>K</b>	<b>1</b>	<b>0</b>	<b>0</b>
PRODUCT FAMILY			SIZE				PACKAGE CODE		INDUCTANCE VALUE			TOL.	SERIES		



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