

# Wirewound, Surface-Mount Molded Inductors

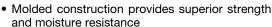


STANDARD ELECTRICAL SPECIFICATIONS									
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(1)</sup>			
0.010 0.012 0.015 0.022 0.023 0.039 0.047 0.068 0.10 0.15 0.12 0.15 0.27 0.339 0.47 0.568 0.82 1.0 1.2 1.5 1.8 2.2,7 3.3 3.4,7 6.6 8.2 1.0 1.2 1.2 1.3 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	20 %% 20 %%	50 50 50 50 50 50 50 50 50 50 50 50 50 5	33000000000000000000000000000000000000	1000 1000 1000 1000 1000 1000 1000 100	0.13 0.14 0.16 0.20 0.224 0.27 0.30 0.33 0.40 0.25 0.36 0.40 0.25 0.36 0.45 0.50 0.70 0.85 0.90 1.1 1.2 1.6 1.6 1.6 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	734 707 6624 592 5640 530 483 450 450 450 450 450 450 450 370 330 260 2217 204 189 173 173 173 173 173 173 173 173 173 173			

#### Note

### **FEATURES**

Printed marking





RoHS
V COMPLIANT

- 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 <a href="https://www.vishav.com/doc?99912"><u>www.vishav.com/doc?99912</u></a>

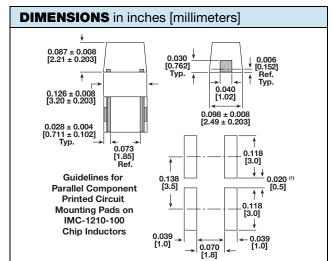
## **ELECTRICAL SPECIFICATIONS**

Inductance range: 0.01  $\mu H$  to 220  $\mu H$  Special tolerances available upon request Operating temperature: -55 °C to +125 °C

Coilform material: non-magnetic from 0.01  $\mu$ H to 0.10  $\mu$ H; powdered iron from 0.12  $\mu$ H to 100  $\mu$ H; ferrite from 120  $\mu$ H to 220  $\mu$ H

#### **TEST EQUIPMENT**

- HP4342A Q meter with Vishay Dale test fixture or equivalent
- HP4191A RF impedance analyzer (for SRF measurements)
- Wheatstone bridge



Note

(1) Recommended spacing between components

### **PART MARKING**

- Vishay Dale
- Inductance code
- Date code

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

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

Revision: 10-Sep-2019 1 Document Number: 34043

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



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Vishay

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