

Wirewound, Surface Mount Molded Inductors

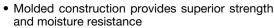


STANDARD ELECTRICAL SPECIFICATIONS								
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (1)		
0.010 0.012 0.015 0.022 0.023 0.033 0.039 0.056 0.068 0.082 0.15 0.22 0.27 0.339 0.476 0.688 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.22 1.5 1.6 1.6 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	20 %% %% %% %% %% %% %% %% %% %% %% %% %%	500 500 500 500 500 500 500 500 500 500	30000000000000000000000000000000000000	1000 1000 1000 1000 1000 1000 1000 100	0.13 0.14 0.18 0.20 0.224 0.27 0.33 0.36 0.444 0.25 0.36 0.45 0.55 0.67 0.75 1.1 1.2 1.5 1.6 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	734 707 661 592 560 530 487 450 450 450 450 450 450 450 450 450 450		

#### Note

#### **FEATURES**

Printed marking





Tompatible with vapor phase and infrared reflow compliant

- soldering

  Tape and real packaging for automatic happy
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>

### **ELECTRICAL SPECIFICATIONS**

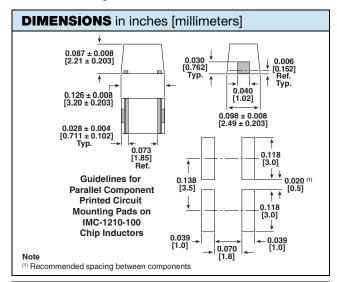
Inductance range:  $0.01~\mu H$  to  $220~\mu H$ Special tolerances available upon request Operating temperature: -55 °C to +125 °C

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 brigde



#### **PART MARKING**

- Vishay Dale
- Inductance value
- 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									
I M C	1 2 1 0	E R	1 0 0	K					
PRODUCT FAMILY	SIZE	PACKAGE CODE	INDUCTANCE VALUE	TOL.					

<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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