# IMC-1210



Vishay Dale

# 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>
$\begin{array}{c} 0.010\\ 0.012\\ 0.012\\ 0.0233\\ 0.0233\\ 0.0233\\ 0.0397\\ 0.0682\\ 0.0233\\ 0.0476\\ 0.0820\\ 0.0397\\ 0.0682\\ 0.012\\ 0.0820\\ 0.0476\\ 0.0820\\ 0.0568\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0682\\ 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#### Note

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

### **FEATURES**

- Printed marking
- Molded construction provides superior strength and moisture resistance



- RoHS Compatible with vapor phase and infrared reflow COMPLIANT 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

### **ELECTRICAL SPECIFICATIONS**

Inductance range: 0.01 µH to 220 µH

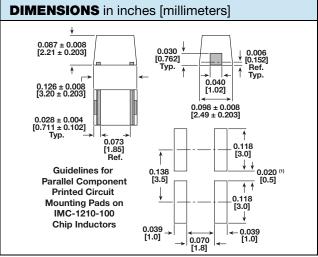
Special tolerances available upon request

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

**Coilform material:** non-magnetic from 0.01 µH to 0.10 µH; powdered iron from 0.12 µH to 100 µH; ferrite from 120 µH to 220 µH

### TEST EQUIPMENT

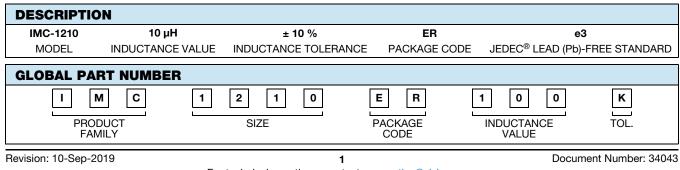
- HP4342A Q meter with Vishay Dale test fixture or equivalent
- HP4191A RF impedance analyzer (for SRF measurements)
- Wheatstone bridge



Note

Recommended spacing between components

- PART MARKING
- Vishay Dale
- Inductance code - Date code



For technical questions, contact: magnetics@vishay.com

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