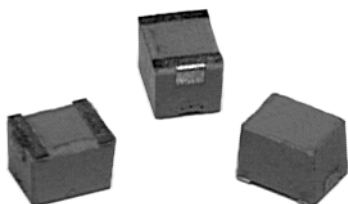


Wirewound, Surface-Mount Molded Inductors



STANDARD ELECTRICAL SPECIFICATIONS

| IND. (μ H) | TEST FREQ. (MHz) | Q MIN. | SRF MIN. (MHz) ⁽¹⁾ | DCR MAX. (Ω) | 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



RoHS
COMPLIANT

ELECTRICAL SPECIFICATIONS

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

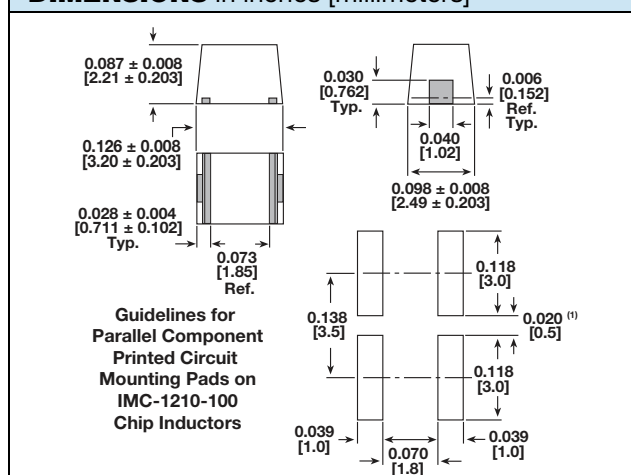
Operating temperature: -55 °C to +125 °C

Core material: non-magnetic from 0.010 μ H to 0.100 μ 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

| IMC-1210-100 | 0.010 μ H | $\pm 20\%$ | 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 | N | K | 1 | 0 | 0 |
| PRODUCT FAMILY | | | SIZE | | | | PACKAGE CODE | | INDUCTANCE VALUE | | | TOL. | SERIES | | |



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