

Wirewound, Surface-Mount Molded Inductors

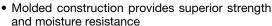


| STANDARD ELECTRICAL SPECIFICATIONS | | | | | | | | | |
|--|---|---|--|---|--|---|--|--|--|
| IND. (µH) | TOL. | TEST FREQ. (MHz) L & Q | Q MIN. | SRF MIN. (MHz) | DCR MAX. (Ω) | RATED DC CURRENT (mA) ⁽¹⁾ | | | |
| 0.010 0.015 0.015 0.027 0.033 0.039 0.0568 0.012 0.125 0.039 0.047 0.082 0.15 0.022 0.339 0.456 0.82 1.5 8.2 1.5 8 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | 202020202020202020202020202020202020110101010101010101010101010101010101010 | 500 550 550 550 550 550 550 550 550 550 | 30000000000000000000000000000000000000 | 1000 1000 1000 1000 1000 1000 1000 100 | 0.14 0.16 0.18 0.22 0.24 0.23 0.33 0.44 0.22 0.33 0.44 0.22 0.33 0.45 0.55 0.67 0.75 1.12 1.56 1.22 1.58 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 | 7347 7661 7661 7661 7661 7662 7662 7662 766 | | | |

Note

FEATURES

Printed marking





Compatible with vapor phase and infrared reflow

- solderingTape and reel packaging for automatic handling,
- Tape and reel packaging for automatic handling 2000/reel, EIA-481
- Material categorization: for definitions of compliance please see <u>www.vishav.com/doc?99912</u>

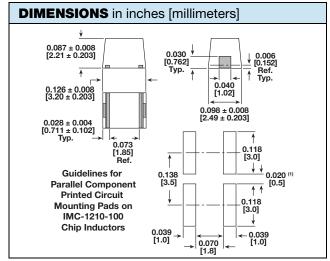
ELECTRICAL SPECIFICATIONS

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 μ H to 0.10 μ H; powdered iron from 0.12 μ H to 100 μ H; ferrite from 120 μ H to 220 μ 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

⁽¹⁾ 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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