



Wirewound, Surface Mount Inductors







| STANDARD ELECTRICAL | | | | SPECIFICATIONS | | |
|--|--|--|--|---|--|--|
| IND. (nH) | TOL. | TEST FREQ. (MHz) | Q MIN. | SRF MIN. (MHz) | DCR MAX. (Ω) | RATED DC CURRENT (mA) ⁽¹⁾ |
| 1.0 1.9 2.2 2.4 2.7 3.6 3.9 4.7 5.6 6.2 8.7 9.5 11 12 13 15 16 18 19 20 22 24 27 33 36 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37 | 10.3 nH, 0.2 nH 0.3 nH, 0.2 nH 10 %, 5 % 10 %, 2 % 10 | 250 250 250 250 250 250 250 250 250 250 | 13 16 16 18 16 20 20 18 23 23 22 25 18 26 26 24 25 26 25 26 26 26 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | 6000 6000 6000 6000 6000 6000 6000 600 | 0.045 0.070 0.070 0.070 0.068 0.120 0.066 0.066 0.091 0.130 0.083 0.083 0.083 0.104 0.200 0.104 0.200 0.195 0.120 0.210 0.212 0.220 0.230 0.202 0.250 0.350 0.350 0.350 0.403 0.830 0.214 0.202 0.214 0.200 0.350 0.350 0.350 0.350 0.350 0.403 0.830 0.350 0.350 0.350 0.350 0.350 0.403 0.350 0.403 0.350 0.403 0.820 0.970 1.120 0.250 0.2666 0.350 | 1360 1040 1040 960 790 640 840 840 840 760 760 680 680 680 480 680 480 640 560 560 560 560 420 420 400 400 400 400 400 400 100 100 100 |

FEATURES

 Excellent solderability and resistance to soldering heat



· Suitable for reflow soldering

• High reliability and easy surface mount assembly

ROHS COMPLIANT HALOGEN FREE

• Wide range of inductance values available

- Tape and reel packaging for automatic handling, 10 000/reel EIA 481
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

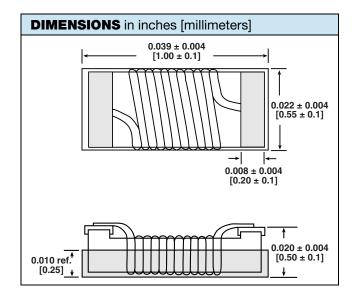
ELECTRICAL SPECIFICATIONS

Inductance Range: 1 nH to 47 nH

Operating Temperature: - $40 \,^{\circ}\text{C}$ to + $125 \,^{\circ}\text{C}$ Storage Temperature: - $40 \,^{\circ}\text{C}$ to + $125 \,^{\circ}\text{C}$

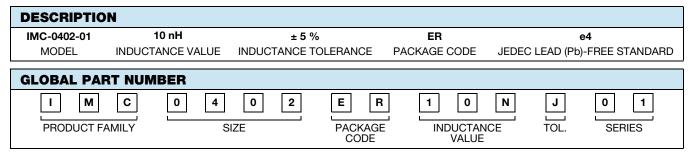
TEST EQUIPMENT

- Inductance is measured in HP4287A RF LCR meter with HP16193 fixture
- Q is measured in HP4287A RF LCR meter with HP16193 fixture
- SRF is measured in HP8753E RF network analyzer
- DCR is measured in HP4338B millohmeter

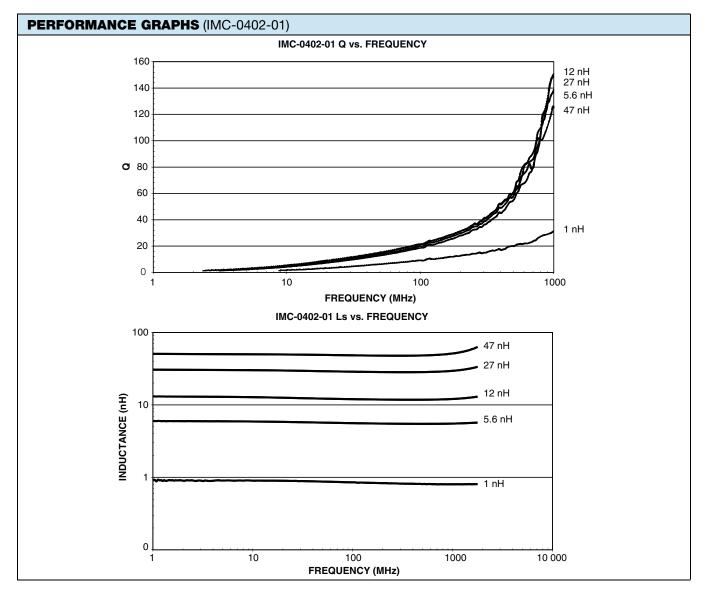


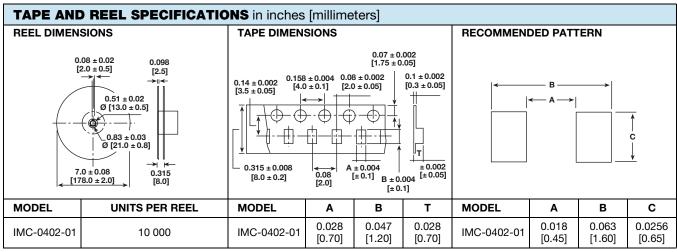
Note

(1) Value obtained when current flows and temperature has risen 15 °C











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