



# **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 3.3 3.9 4.7 5.6 6.8 7.5 2.8 7.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.3 nH, 0.2 nH 0.3 nH, 0.5 % 10 %, 5 % 10 %, 2 %	250 250 250 250 250 250 250 250 250 250	13 16 16 18 16 20 20 18 15 23 23 25 25 18 26 26 27 26 27 26 27 27 28 27 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29	6000 6000 6000 6000 6000 6000 6000 600	0.045 0.070 0.070 0.070 0.068 0.120 0.066 0.066 0.066 0.091 0.130 0.083 0.083 0.083 0.104 0.104 0.200 0.104 0.200 0.195 0.120 0.210 0.172 0.220 0.250 0.300 0.210 0.202 0.250 0.300 0.210 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.202 0.250 0.300 0.214 0.298 0.300 0.350 0.403 0.403 0.810 0.830 0.970 1.120 1.250 2.5660	1360 1040 1040 960 790 640 840 840 840 700 640 880 760 760 680 680 680 680 680 480 640 560 560 560 420 480 400 400 400 400 400 400 100 100 100 10					

#### **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 <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>

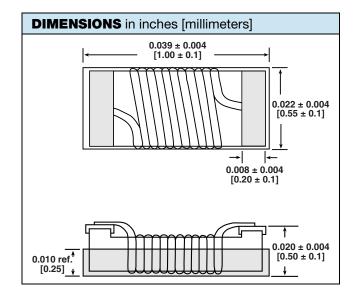
#### **ELECTRICAL SPECIFICATIONS**

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



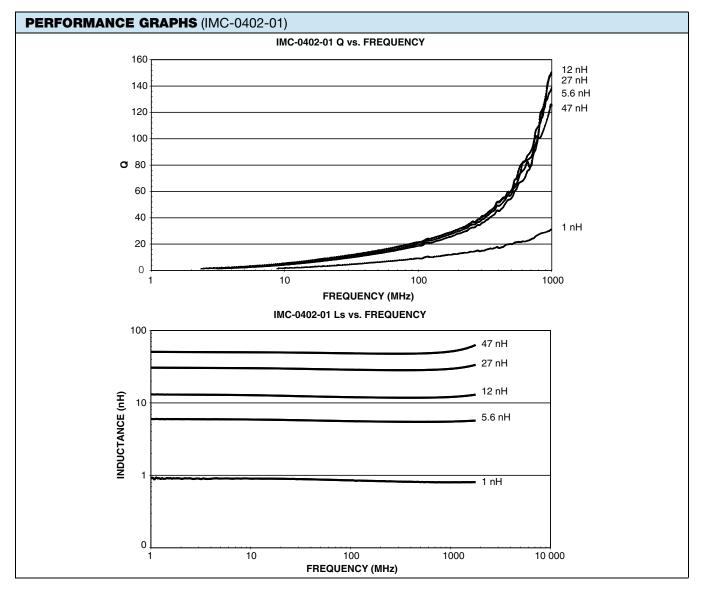
Note

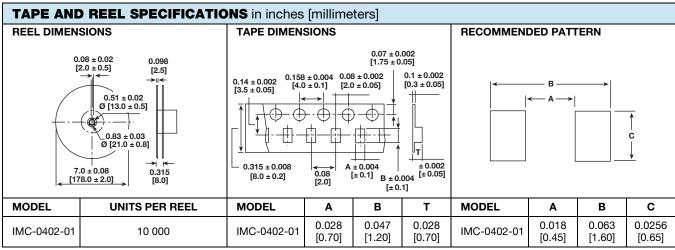
 $^{1)}$  Value obtained when current flows and temperature has risen 15  $^{\circ}$ C

DESCRIPTION											
IMC-0402-01 10 nH  MODEL INDUCTANCE VALUE		± 5 % INDUCTANCE TOLERANCE		<b>ER</b> PACKAGE CODE	<b>e4</b> JEDEC LEAD (Pb)-FREE STANDARI						
GLOBAL PAR  I M  PRODUCT FA	C 0 4	0 2	E R  PACKAGE CODE	1 0 INDUCTANO VALUE	N J	0 1 SERIES					

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