



Wirewound, Surface Mount Inductors







STANDARD ELECTRICAL				SPECIFICATIONS		
IND. (nH)		TEST FREQ. (MHz)	Q	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (1)
	TOL.	L&Q	MIN.	` ′	` '	
1.0	0.3 nH, 0.2 nH	250	13	6000	0.045	1360
1.9	0.3 nH, 0.2 nH 0.3 nH, 0.2 nH	250 250	16 16	6000 6000	0.070	1040 1040
2.0	0.3 nH, 0.2 nH	250	18	6000	0.070	960
2.4	0.3 nH, 0.2 nH	250	16	6000	0.068	790
2.7	0.3 nH, 0.2 nH	250	16	6000	0.120	640
3.3	0.3 nH, 0.2 nH	250	20	6000	0.066	840
3.6	0.3 nH, 0.2 nH	250	20	6000	0.066	840
3.9 4.3	10 %, 5 % 10 %, 5 %	250 250	20 18	6000 6000	0.066	840 700
4.7	10 %, 5 %	250	15	4775	0.130	640
5.1	10 %, 5 %	250	23	5800	0.083	800
5.6	10 %, 5 %	250	23	5800	0.083	760
6.2	10 %, 5 %	250	23	5800	0.083	760
6.8 7.5	10 %, 5 % 10 %, 5 %	250 250	20 25	4800 5800	0.083	680 680
8.2	10 %, 5 %	250	25	4400	0.104	680
8.7	10 %, 5 %	250	18	4100	0.200	480
9.0	10 %, 5 %	250	25	4160	0.104	680
9.5	10 %, 5 %	250	18	4000	0.200	680
10 11	5 %, 2 %	250	23 26	3900	0.195	480 640
12	5 %, 2 % 5 %, 2 %	250 250	26	3680 3600	0.120 0.120	640
13	5 %, 2 %	250	24	3450	0.120	560
15	5 %, 2 %	250	26	3280	0.172	560
16	5 %, 2 %	250	24	3100	0.220	560
18 19	5 %, 2 % 5 %, 2 %	250	25 26	3100	0.230	420
20	5 %, 2 %	250 250	25	3040 3000	0.202	480 420
22	5 %, 2 %	250	25	2800	0.300	400
23	5 %, 2 %	250	26	2720	0.214	400
24	5 %, 2 %	250	25	2700	0.298	400
27	5 %, 2 %	250	26	2480	0.300	400
30 33	5 %, 2 % 5 %, 2 %	250 250	25 24	2350 2350	0.300 0.350	400 400
36	5 %, 2 %	250	26	2320	0.403	320
39	5 %, 2 %	250	25	2100	0.550	320
40	5 %, 2 %	250	26	2240	0.438	320
43	5 %, 2 %	250	25	2030	0.810	100
47 51	5 %, 2 % 5 %	200	26	2100	0.830	150
51 56	5 % 5 %	200 200	25 22	1750 1760	0.820 0.970	100 100
68	5 %	200	22	1620	1.120	100
82	5 %	150	20	1500	1.250	100
100	5 %	150	20	1300	2.520	100
120	5 %	150	20	1100	2.660	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>

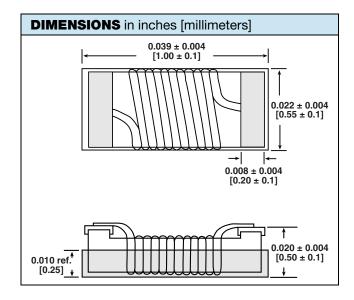
ELECTRICAL SPECIFICATIONS

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 + $125 \,^{\circ}\text{C}$

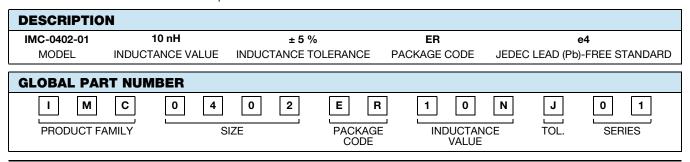
TEST EQUIPMENT

- 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

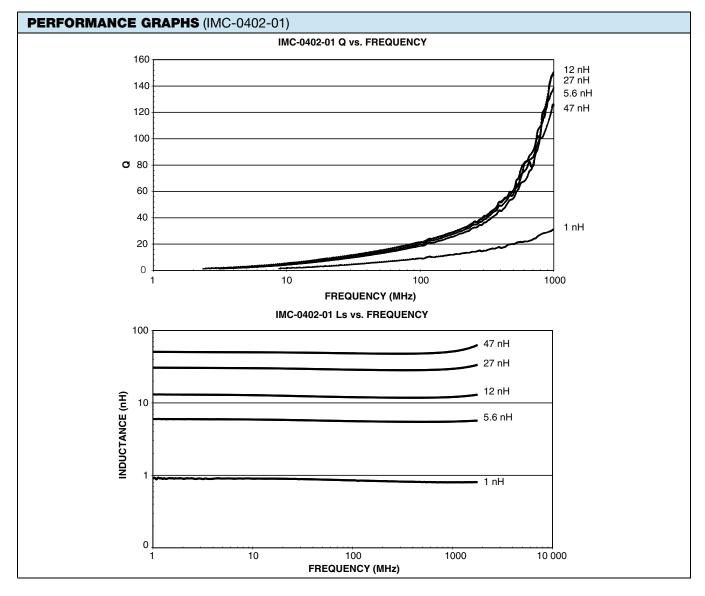


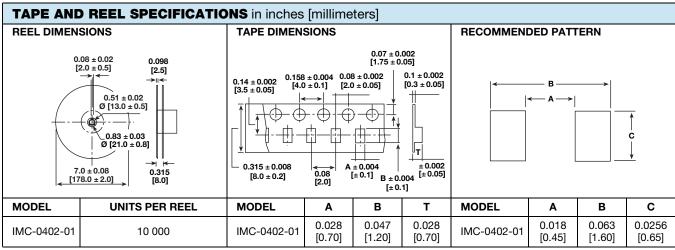
Note

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











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