

Vishay Dale

Wirewound, Surface Mount Inductors



STANDARD ELECTRICAL				SPECIFICATIONS			
IND. (nH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾	
1122222333445566788999111111111222222333699444556882	H H H H H H H A n n H H H H A n n H H H H H H, N N N N N N N N N N N N N N N N N N	250 250 250 250 250 250 250 250 250 250	$\begin{array}{c} 1366 \\ 1168 \\ 1168 \\ 1160 \\ 200 \\ 1153 \\ 220 \\ 220 \\ 220 \\ 120 \\ 120 \\ 120 \\ 220 \\ 120 \\ $	$\begin{array}{c} 6000\\ 6000\\ 6000\\ 6000\\ 6000\\ 6000\\ 6000\\ 6000\\ 4775\\ 5800\\ 4800\\ 5800\\ 4400\\ 4100\\ 3900\\ 3680\\ 3450\\ 3100\\ 3000\\ 2720\\ 2480\\ 2350\\ 200\\ 200\\ 200\\ 200\\ 200\\ 200\\ 200\\ 2$	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 0.083 0.083 0.083 0.083 0.083 0.083 0.104 0.200 0.104 0.200 0.104 0.200 0.104 0.200 0.120 0.210 0.210 0.2200 0.220 0.2200000000	1360 1040 960 790 640 840 840 840 700 640 800 760 760 760 680 680 680 680 680 680 680 680 680 6	

Note

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

FEATURES

- Excellent solderability and resistance to soldering heat
- Suitable for reflow soldering
- RoHS High reliability and easy surface mount COMPLIANT assembly 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 www.vishay.com/doc?99912

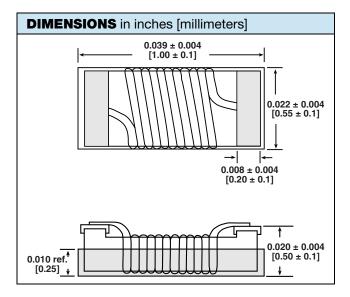
ELECTRICAL SPECIFICATIONS

Inductance Range: 1 nH to 47 nH

Operating Temperature: - 40 °C to + 125 °C Storage Temperature: - 40 °C to + 125 °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



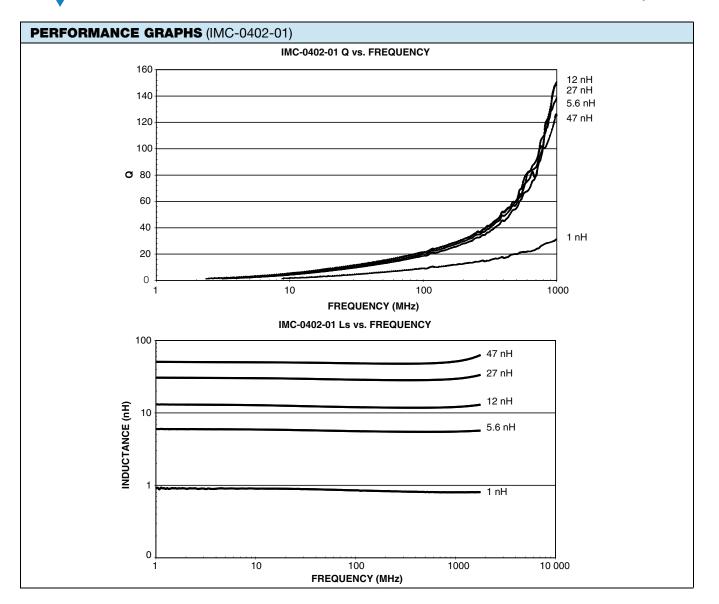
DESCRIPTION										
IMC-0402-01	10 nH	± 5 %		ER	e4					
MODEL	INDUCTANCE VALUE	INDUCTANCE TO	OLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				
GLOBAL PA	RT NUMBER									
	C 0 4	02	E R PACKAGE CODE	1 0 INDUCTANO VALUE	N J CE TOL.	0 1 SERIES				
Revision: 18-Sep-1	3		1		Doci	ument Number: 34163				

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TAPE AND REEL SPECIFICATIONS in inches [millimeters]										
REEL DIMENS	SIONS	TAPE DIMENSIONS 0.07 ± 0.002 [1.75 ± 0.05] 0.14 ± 0.002 0.158 ± 0.004 0.08 ± 0.002 [2.5 ± 0.05] 0.1 ± 0.002 [0.3 ± 0.05] 0.14 ± 0.002 0.158 ± 0.004 0.08 ± 0.002 [0.3 ± 0.05] 0.1 ± 0.002 [0.3 ± 0.05] 0.15 ± 0.008 0.08 1 1 0.315 ± 0.008 0.08 1 1 [8.0 ± 0.2] 0.08 1 1 1 1 1 1 1				RECOMMENDED PATTERN				
[2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					$ \begin{array}{ c } \hline & B \\ \hline & A \\ \hline & A \\ \hline & C \\ \hline & C \\ \hline & \downarrow \\ \hline \end{array} $				
MODEL	UNITS PER REEL	MODEL	Α	В	т	MODEL	Α	В	С	
IMC-0402-01	10 000	IMC-0402-01	0.028 [0.70]	0.047 [1.20]	0.028 [0.70]	IMC-0402-01	0.018 [0.45]	0.063 [1.60]	0.0256 [0.65]	

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