

Vishay Dale

Wirewound, Surface Mount Inductors





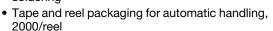




STA	NDARD EL	EC1	RIC	AL S	SPEC	FICA	TIONS
IND.		TEST FREQ. (MHz)		Q	SRF MIN.	DCR MAX.	RATED DO
(nH)	TOL.	L	Q	MIN.	(MHz)	(Ω)	(mA)
2.2	0.3 nH, 0.2 nH		1000	50	6000	0.06	800
2.7 3.3	0.3 nH, 0.2 nH 0.3 nH, 0.2 nH		1000 1000	35 60	6000 6000	0.08	800 800
3.9	0.3 nH, 0.2 nH		1000	60	6000	0.06	600
4.7	0.3 nH, 0.2 nH		1000	60	5800	0.06	600
5.6	5 %, 2 %	250	1000	60	5800	0.08	600
6.8	5 %, 2 %	250	1000	60	5500	0.06	600
8.2	5 %, 2 %	250	1000	60	5500	0.06	600
10	5 %, 2 %	250	500	60	4800	0.08	600
12 15	5 %, 2 % 5 %, 2 %	250 250	500 500	60 60	4100 3600	0.08	600 600
18	5 %, 2 %	250	500	60	3400	0.08	600
22	5 %, 2 %	250	500	60	3300	0.10	600
27	5 %. 2 %	250	500	60	2600	0.12	600
33	5 %, 2 % 5 %, 2 %	250	500	60	2400	0.15	500
39	5 %, 2 %	250	500	60	2100	0.18	500
47 56	5 %, 2 % 5 %, 2 %	200 200	500 500	60 60	1700 1600	0.15 0.25	500 500
68	5 %, 2 %	200	500	60	1450	0.25	500
82	5 %, 2 %	150	500	60	1350	0.32	500
100	5 %, 2 %	150	500	60	1200	0.43	500
120	5 %, 2 %	150	250	50	1100	0.48	500
150	5 %, 2 %	100	250	50	950	0.56	400
180	5 %, 2 %	100	250	50	900	0.78	400
220 270	5 %, 2 % 5 %, 2 %	100	250 250	50 45	860 850	1.00 1.46	400 350
330	5 %, 2 %	100	250	45	800	1.65	300
390	5 %, 2 %	100	250	45	780	2.20	210
470	5 %	25.2	100	45	375	0.95	500
560	5 %	25.2	100	45	340	1.10	450
680	5 % 5 %	25.2 25.2	100	35 35	188 215	1.20 1.50	400 300
820 1000	5 %	25.2	100 50	35	200	2.13	180
1200	5 %	7.96	7.96	15	200	2.60	150
1500	5 %	7.96	7.96	15	200	2.90	130
1800	5 %	7.96	7.96	15	120	3.00	120
2200	5 %	7.96	7.96	15	110	3.10	110
2700	5 %	7.96	7.96	15	100	3.50	100
3300 3900	5 % 5 %	7.96 7.96	7.96 7.96	15 15	70 60	2.30 2.50	210 200
4700	5 %	7.96		15	50	2.80	180
5600	5 %	7.96		15	45	3.00	160
6800	5 %	7.96	7.96	15	45	3.20	130
8200	5 %	7.96		15	40	3.50	120
10 000	5 %	2.52	2.52	10	40	5.00	80

FEATURES

- · High self-resonant frequency values
- High Q values at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering





• Halogen-free according to IEC 61249-2-21 definition



COMPLIANT HALOGEN FREE

. .a...g... acco. a....g .c ._c c ._ .c .

ELECTRICAL SPECIFICATIONS Inductance Range: 2.2 nH to 10 000 nH

Inductance and Tolerance: 0.3 nH for 2.2 nH to 4.7 nH,

 \pm 5 % for 5.6 nH to 10 000 nH

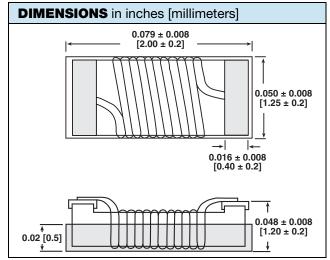
Operating Temperature: - 40 °C to + 125 °C

Core Material: Ceramic from 2.2 nH to 390 nH; Ferrite from

470 nH to 10 000 nH

TEST EQUIPMENT

- Inductance and Q measured on HP4286A (2.2 nH to 390 nH) and HP4285A (470 nH to 10 000 nH)
- SRF is measured on HP8753E
- DCR ismeasured on HP4338B



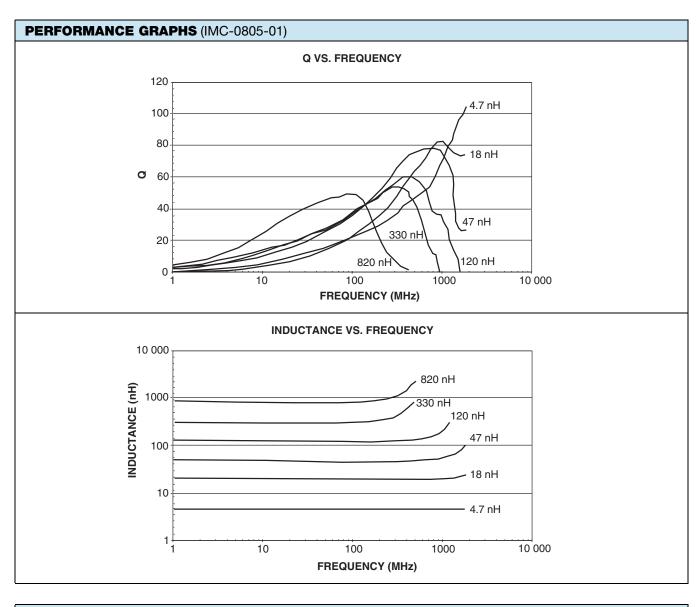
DESCRIPTION								
IMC-0805-01	10 nH	± 5 %	ER	e4 ⁽¹⁾				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				

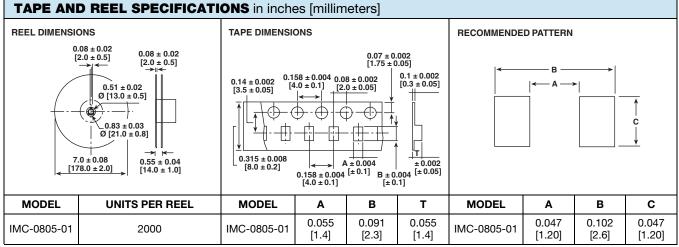
(1) For parts within 2.2 nH to 390 nH please use e4 for JEDEC lead (Pb)-free standard. For parts within 470 nH to 10 000 nH please use e3 for JEDEC lead (Pb)-free standard.

GLOBAL PART NUMBER								
PRODUCT FAMILY	0 8 0 5 SIZE	PACKAGE CODE	1 0 N INDUCTANCE VALUE	J TOL.	0 1 SERIES			

Wirewound, Surface Mount Inductors









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Vishay

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