

Vishay Dale

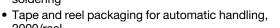
Wirewound, Surface Mount Inductors

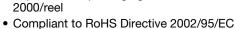


STA	STANDARD ELECTRICAL SPECIFICATIONS								
IND.		TEST FREQ. (MHz)		Q	SRF MIN.	DCR MAX.	RATED DO		
(nH)	TOL.	L	Q	MIN.	(MHz)	(Ω)	(mA)		
2.2	0.3 nH, 0.2 nH		1000	50	6000	0.06	800		
2.7 3.3	0.3 nH, 0.2 nH 0.3 nH, 0.2 nH		1000 1000	35 60	6000 6000	0.08	800 800		
3.9	0.3 nH, 0.2 nH		1000	60	6000	0.06	600		
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 %	250 250	1000	60 60	5500	0.06	600		
10 12	5 %, 2 % 5 %, 2 %	250	500 500	60	4800 4100	0.08	600 600		
15	5 %, 2 %	250	500	60	3600	0.08	600		
18	5 %, 2 % 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 39	5 %, 2 % 5 %, 2 %	250 250	500 500	60 60	2400 2100	0.15 0.18	500 500		
47	5 %, 2 %	200	500	60	1700	0.15	500		
56	5 %, 2 %	200	500	60	1600	0.25	500		
68	5 %, 2 %	200	500	60	1450	0.27	500		
82	5 %, 2 %	150	500	60	1350	0.32	500		
100	5 %, 2 %	150	500	60	1200	0.43	500		
120 150	5 %, 2 % 5 %, 2 %	150 100	250 250	50 50	1100 950	0.48 0.56	500 400		
180	5 %, 2 %	100	250	50	900	0.30	400		
220	5 %, 2 %	100	250	50	860	1.00	400		
270	5 %, 2 %	100	250	45	850	1.46	350		
330	5 %, 2 %	100	250	45	800	1.65	300		
390	5 %, 2 %	100	250	45	780	2.20	210		
470 560	5 % 5 %	25.2 25.2	100 100	45 45	375 340	0.95 1.10	500 450		
680	5 %	25.2	100	35	188	1.20	400		
820	5 %	25.2	100	35	215	1.50	300		
1000	5 %	25.2	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 2200	5 % 5 %	7.96 7.96	7.96 7.96	15 15	120 110	3.00	120 110		
2700	5 %	7.96	7.96	15	100	3.50	100		
3300	5 %	7.96	7.96	15	70	2.30	210		
3900	5 %	7.96	7.96	15	60	2.50	200		
4700	5 %	7.96	7.96	15	50	2.80	180		
5600	5 %	7.96	7.96	15	45	3.00	160		
6800 8200	5 % 5 %	7.96 7.96	7.96 7.96	15 15	45 40	3.20 3.50	130 120		
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

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

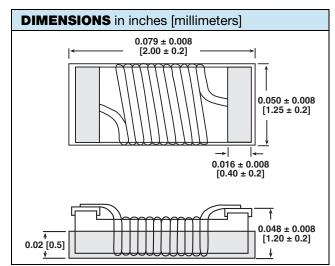
Operating Temperature: - 40 °C to + 125 °C

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			

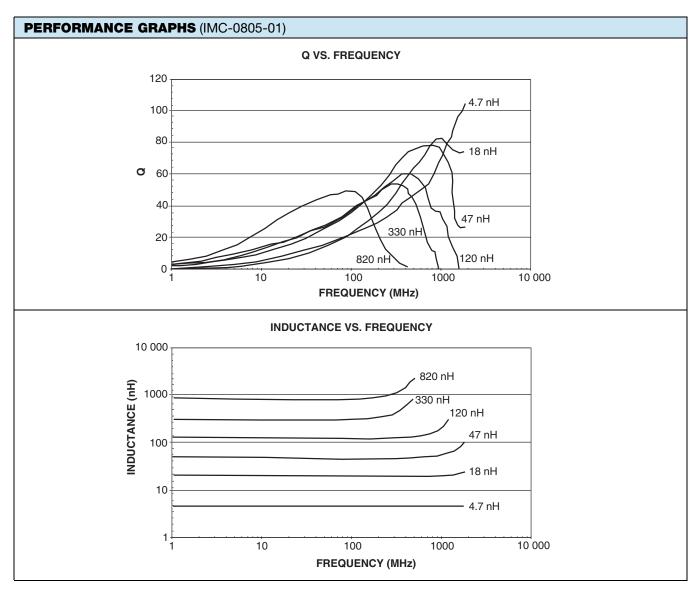
(1) For parts within 2.2 nH to 390 nH please use e4 for JEDEC lead (Pb)-free standard. For parts within 470 nH to 10 000 nH please use e3 for JEDEC lead (Pb)-free standard.

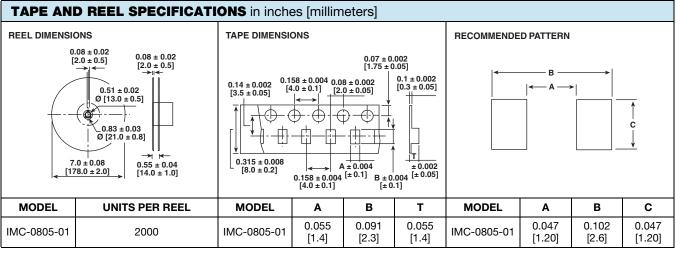
GLOBAL PART NUMBER								
PRODUCT FAMILY	0 8 0 5 SIZE	PACKAGE CODE	1 0 N INDUCTANCE VALUE	J TOL.	0 1 SERIES			

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Wirewound, Surface Mount Inductors







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