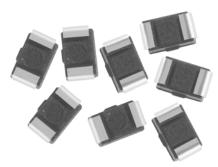




High Frequency, Surface Mount, Molded Inductors



STANDARD ELECTRICAL SPECIFICATIONS										
IND. (nH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.		`	MHz) 1800	SRF MIN. (MHz)	DCR ± 30 % (Ω)	RATED DC CURRENT (mA)	
10	10 %	100	10	22	65	110	3300	0.14	540	
12	10 %	100	10	22	65	105	3300	0.18	535	
15	10 %	100	12	23	70	100	3000	0.18	520	
18	10 %	100	12	25	75	95	3000	0.22	480	
22	10 %	100	15	25	75	80	2600	0.22	465	
27	10 %	100	15	25	75	-	2500	0.26	455	
33	5 %, 10 %	100	15	28	80	-	2050	0.30	395	
39	5 %, 10 %	100	15	28	70	-	2000	0.31	390	
47	5 %, 10 %	100	15	28	70	-	1650	0.35	385	
56	5 %, 10 %	100	15	28	60	-	1550	0.39	360	
68	5 %, 10 %	100	15	28	-	-	1450	0.44	340	
82	5 %, 10 %	100	15	28	-	-	1100	0.48	330	
100	5 %, 10 %	25.2	8	25	-	-	800	0.66	285	
120	5 %, 10 %	25.2	8	24	-	-	600	0.76	275	
150	5 %, 10 %	25.2	10	25	-	-	600	1.13	230	
180	5 %, 10 %	25.2	10	25	-	-	600	1.24	195	
220	5 %, 10 %	25.2	10	25	-	-	500	1.41	170	
270	5 %, 10 %	25.2	10	25	-	-	300	1.50	165	
330	5 %, 10 %	25.2	10	20	-	-	200	1.66	160	
390	5 %, 10 %	25.2	10	20	-	-	150	1.82	150	
470	5 %, 10 %	25.2	10	18	-	-	150	1.97	145	
560	5 %, 10 %	25.2	10	15	-	-	100	2.07	140	
680	5 %, 10 %	25.2	10	-	-	-	100	2.32	130	
820	5 %, 10 %	25.2	10	-	-	-	80	2.60	125	
1000	5 %, 10 %	7.96	8	-	-	-	80	2.98	120	

FEATURES

- High self-resonant frequency values
- High Q values at higher frequencies

- Molded construction provides superior strength COMPLIANT and moisture resistance
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 3000/reel, EIA-481
- Compliant to RoHS Directive 2002/95/EC

ELECTRICAL SPECIFICATIONS

Inductance Range: 10 nH to 1000 nH

Inductance and Tolerance: ± 10 % for 10 nH to 1000 nH,

 \pm 5 % for 33 nH to 1000 nH

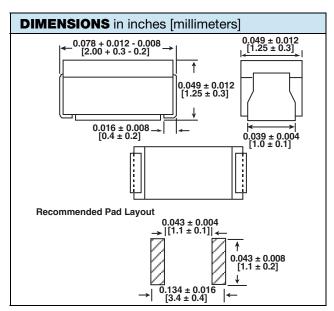
Operating Temperature: - 40 °C to + 105 °C (no load)

- 40 °C to + 85 °C (at full rated current)

Core Material: Non-magnetic

TEST EQUIPMENT

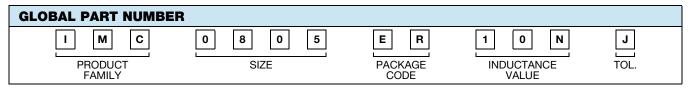
- Inductance and Q measured on HP4191A
- SRF measured on HP8753B



Note

• Tighter tolerance product may be substituted based on availability.

DESCRIPTION										
IMC-0805	10 nH	± 5 %	ER	e3						
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD						



Document Number: 34040 Revision: 23-Feb-11

For technical questions, contact: magnetics@vishay.com

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Document Number: 91000 www.vishay.com
Revision: 11-Mar-11 1