



Wirewound, Surface Mount, Molded Inductors





STANDARD ELECTRICAL SPECIFICATIONS									
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾			
1.0	± 10 %	7.96	10	200	0.11	1050			
1.2	± 10 %	7.96	10	160	0.12	1000			
1.5	± 10 %	7.96	10	130	0.15	950			
1.8	± 10 %	7.96	10	100	0.16	900			
2.2	± 10 %	7.96	10	60.0	0.18	850			
2.7	± 10 %	7.96	10	60.0	0.20	800			
3.3	± 10 %	7.96	10	45.0	0.22	750			
3.9	± 10 %	7.90	10	40.0	0.24	700			
4.7	± 10 %	7.96	10	35.0	0.3	650			
5.6	± 10 %	7.96	10	30.0	0.3	650			
6.8	± 10 %	7.96	10	28.0	0.4	600			
8.2	± 10 %	7.96	10	25.0	0.4	600			
10	± 10 %	2.52	10	22.0	0.5	550			
12	± 10 %	2.52	10	21.0	0.6	500			
15	± 10 %	2.52	10	20.0	0.7	450			
18	± 10 %	2.52	10	19.0	0.8	400			
22	± 10 %	2.52	10	18.0	0.9	370			
27	± 10 %	2.52	10	16.0	1.2	330			
33	± 10 %	2.52	10	14.0	1.4	300			
39	± 10 %	2.52	10	12.0	1.6	280			
47	± 10 %	2.52	10	11.5	1.9	260			
56	± 10 %	2.52	10	11.0	2.2	240			
68	± 10 %	2.52	10	10.0	2.6	220			
82	± 10 %	2.52	10	9.0	3.5	200			
100	± 10 %	0.796	20	8.0	4.0	180			
120	± 10 %	0.796	20	6.5	4.5	160			
150	± 10 %	0.796	20	7.0	6.5	140			
180	± 10 %	0.796	20	5.5	7.5	120			
220	± 10 %	0.796	20	5.5	9	120			
270	± 10 %	0.796	20	5.0	11	100			
330	± 10 %	0.796	20	4.0	13	90			

Note

FEATURES

• Molded construction provides superior strength and moisture resistance



• Tape and reel packaging for automatic handling, 500/reel, EIA-481

· Compatible with vapor phase, infrared and

wave soldering methods

• Compliant to RoHS Directive 2002/95/EC

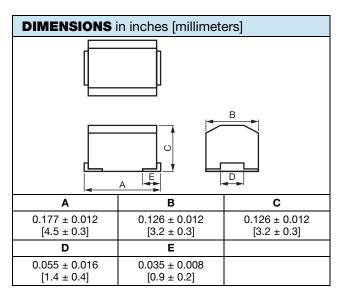
ELECTRICAL SPECIFICATIONS

Inductance Range: 1 µH to 330 µH **Inductance Tolerance:** ± 10 %

Operating Temperature: - 40 °C to + 85 °C Storage Temperature: - 40 °C to + 100 °C

TEST EQUIPMENT

 L & Q: H/P 4285A • SRF: H/P 4286A • DCR: H/P 34401



PART MARKING - Inductance value

DESCRIPTION								
IMCH-1812	22 μΗ	± 10 %	ER	e3				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				

GLOBAL PART NUMBER										
PRODUCT FAMILY	1 8 1 2 SIZE	PACKAGE CODE	2 2 0 INDUCTANCE VALUE	K TOL.						

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For technical questions, contact: magnetics@vishay.com

⁽¹⁾ Rated DC current based on the maximum temperature rise, not to exceed 40 °C at + 85 °C ambient



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