



Wirewound, Surface Mount, Molded Inductors





STANDARD ELECTRICAL SPECIFICATIONS							
IND.		TEST FREQ. (MHz)	Q	SRF MIN.	DCR MAX.	RATED DC CURRENT	
(µH)	TOL.	L&Q	MIN.	(MHz)	(Ω)	(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	8.0	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

RoHS COMPLIANT

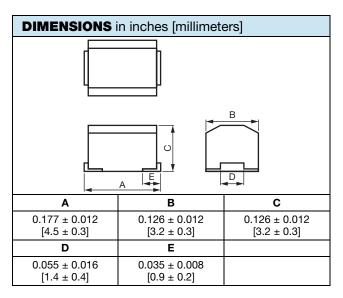
ELECTRICAL SPECIFICATIONS

Inductance Range: 1 μH to 330 μH Inductance Tolerance: \pm 10 %

Operating Temperature: - $40 \,^{\circ}\text{C}$ to + $85 \,^{\circ}\text{C}$ Storage Temperature: - $40 \,^{\circ}\text{C}$ to + $100 \,^{\circ}\text{C}$

TEST EQUIPMENT

L & Q: H/P 4285ASRF: H/P 4286ADCR: 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.						

 $^{^{(1)}}$ Rated DC current based on the maximum temperature rise, not to exceed 40 $^{\circ}\text{C}$ at + 85 $^{\circ}\text{C}$ ambient



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