

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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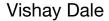
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# Wirewound, Surface Mount, Molded Inductors





STANDARD ELECTRICAL SPECIFICATIONS									
IND. (µH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(1)</sup>			
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

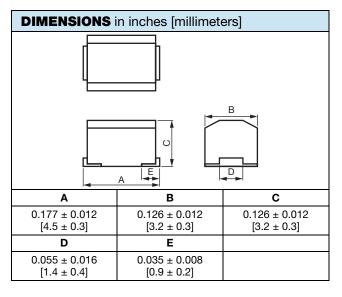
### **ELECTRICAL SPECIFICATIONS**

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.						

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



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Vishay

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