# VISHAY.

Vishay Dale

RoHS

COMPLIANT

# 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

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

### **FEATURES**

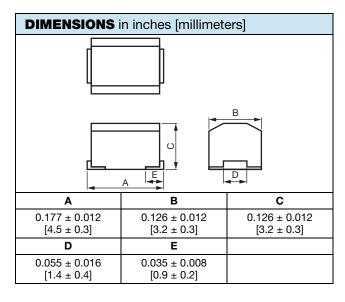
- Molded construction provides superior strength and moisture resistance
- Tape and reel packaging for automatic handling, 500/reel, EIA-481
- Compatible with vapor phase, infrared and wave soldering methods
- Compliant to RoHS Directive 2002/95/EC

## **ELECTRICAL SPECIFICATIONS**

Inductance Range: 1  $\mu$ H to 330  $\mu$ H Inductance Tolerance:  $\pm$  10 % Operating Temperature: - 40 °C to + 85 °C Storage Temperature: - 40 °C to + 100 °C

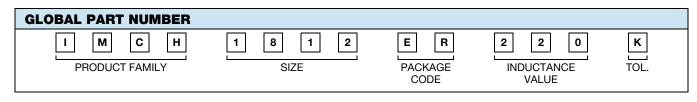
#### **TEST EQUIPMENT**

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



PART MARKING	
- Inductance value	

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





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