IMCH-1812

Vishay Dale

Surface Mount, Molded Inductors

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.

STANDARD ELECTRICAL SPECIFICATIONS

IND. (µH)	TOL.*	Q MIN.	TEST FREQ. L & Q (MHz)	SELF RESONANT FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
1.0	±10%	10	7.96	200	0.11	1050
1.2	±10%	10	7.96	160	0.12	1000
1.5	±10%	10	7.96	130	0.15	950
1.8	±10%	10	7.96	100	0.16	900
2.2	±10%	10	7.96	60	0.18	850
2.7	±10%	10	7.96	60	0.20	800
3.3	±10%	10	7.96	45	0.22	750
3.9	±10%	10	7.9	40	0.24	700
4.7	±10%	10	7.96	35	0.3	650
5.6	±10%	10	7.96	30	0.3	650
6.8	±10%	10	7.96	28	0.4	600
8.2	±10%	10	7.96	25	0.4	600
10	±10%	10	2.52	22	0.5	550
12	±10%	10	2.52	21	0.6	500
15	±10%	10	2.52	20	0.7	450
18	±10%	10	2.52	19	0.8	400
22	±10%	10	2.52	18	0.9	370
27	±10%	10	2.52	16	1.2	330
33	±10%	10	2.52	14	1.4	300
39	±10%	10	2.52	12	1.6	280
47	±10%	10	2.52	11.5	1.9	260
56	±10%	10	2.52	11.0	2.2	240
68	±10%	10	2.52	10.0	2.6	220
82	±10%	10	2.52	9.0	3.5	200
100	±10%	20	0.796	8.0	4.0	180
120	±10%	20	0.796	6.5	4.5	160
150	±10%	20	0.796	7.0	6.5	140
180	±10%	20	0.796	5.5	7.5	120
220	±10%	20	0.796	5.5	9	120
270	±10%	20	0.796	5.0	11	100
330	±10%	20	0.796	4.0	13	90

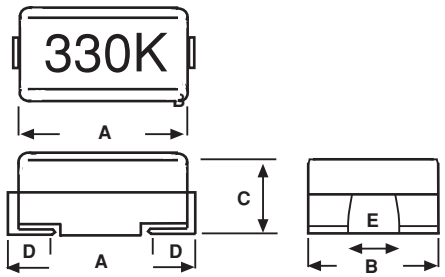
ELECTRICAL SPECIFICATIONS

Inductance: 1uH to 330uH.
Inductance Tolerance: ± 10%.
Operating Temperature: - 25°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

DIMENSIONS in inches [millimeters]



A	B	C
0.177 ± 0.012 [4.5 ± 0.3]	0.126 ± 0.008 [3.2 ±0.2]	0.126 ± 0.008 [3.2 ± 0.2]
D	**E**	
0.035 ± 0.008 [0.9 ± 0.2]	0.055 ± 0.008 [1.4 ± 0.2]	

EIA PART MARKING

- Inductance Value

DESCRIPTION

IMCH-1812	22uH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE