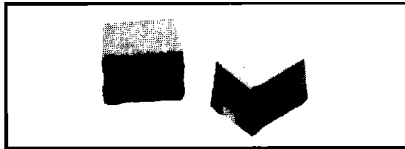




Inductors

Surface Mount, Molded



FEATURES

- Molded construction provides superior strength and moisture resistance.
- Tape and reel packaging for automatic handling, 2000/reel, EIA 481.
- Printed marking.
- Compatible with vapor phase and infrared reflow soldering.

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)
.010	±20%	50	50.0	1000.0	.20	450
.012	±20%	50	50.0	1000.0	.20	450
.018	±20%	50	50.0	1000.0	.20	450
.022	±20%	50	50.0	1000.0	.20	450
.027	±20%	50	50.0	1000.0	.20	450
.033	±20%	50	50.0	1000.0	.30	450
.039	±20%	50	50.0	1000.0	.30	450
.047	±20%	50	50.0	1000.0	.30	450
.056	±20%	40	50.0	900.0	.35	450
.068	±20%	40	50.0	800.0	.35	450
.082	±20%	40	50.0	700.0	.40	450
.10	±20%	30	25.2	650.0	.32	450
.12	±20%	30	25.2	600.0	.30	450
.15	±20%	30	25.2	500.0	.30	450
.18	±20%	30	25.2	400.0	.35	450
.22	±20%	30	25.2	350.0	.40	450
.27	±20%	30	25.2	300.0	.45	450
.33	±20%	30	25.2	250.0	.55	430
.39	±20%	30	25.2	220.0	.70	380
.47	±10%	30	25.2	190.0	.80	355
.56	±10%	30	25.2	170.0	1.20	285
.68	±10%	30	25.2	150.0	1.40	270
.82	±10%	30	25.2	140.0	1.60	250
1.0	±10%	50	7.96	100.0	.50	450
1.2	±10%	50	7.96	80.0	.55	430
1.5	±10%	50	7.96	70.0	.60	410
1.8	±10%	50	7.96	60.0	.65	390
2.2	±10%	50	7.96	55.0	.70	380
2.7	±10%	50	7.96	50.0	.75	370
3.3	±10%	50	7.96	45.0	.80	355
3.9	±10%	50	7.96	40.0	.90	330
4.7	±10%	50	7.96	35.0	1.00	315
5.6	±10%	50	7.96	33.0	1.10	300
6.8	±10%	50	7.96	27.0	1.20	285
8.2	±10%	50	7.96	25.0	1.40	270
10.0	±10%	50	2.52	20.0	1.60	250
12.0	±10%	50	2.52	18.0	2.00	225
15.0	±10%	50	2.52	17.0	2.50	200
18.0	±10%	50	2.52	15.0	2.80	190
22.0	±10%	50	2.52	13.0	3.20	180
27.0	±10%	50	2.52	12.0	3.60	170
33.0	±10%	50	2.52	11.0	4.00	160
39.0	±10%	50	2.52	11.0	4.50	150
47.0	±10%	50	2.52	10.0	5.00	140
56.0	±10%	50	2.52	9.0	5.50	135
68.0	±10%	50	2.52	9.0	6.00	130
82.0	±10%	50	2.52	8.0	7.00	120
100.0	±10%	40	.79	8.0	8.00	110
120.0	±10%	40	.79	6.0	8.00	110
150.0	±10%	40	.79	5.0	9.00	105
180.0	±10%	40	.79	5.0	9.50	102
220.0	±10%	40	.79	4.0	10.0	100
270.0	±10%	40	.79	4.0	12.0	92
330.0	±10%	40	.79	3.5	14.0	85
390.0	±10%	40	.79	3.0	16.0	80
470.0	±10%	40	.79	3.0	26.0	62
560.0	±10%	30	.79	3.0	30.0	50
680.0	±10%	30	.79	3.0	30.0	50
820.0	±10%	30	.79	2.5	35.0	30
1000.0	±10%	30	.25	2.5	40.0	30

ELECTRICAL SPECIFICATIONS

Inductance Range: .010μH to 1000μH.

Inductance Tolerance: ±20% for .010μH to .39μH.
±10% for .47μH to 1000μH standard.
±10%, ±5%, ±3% available.

Temperature Range: -55°C to +125°C.

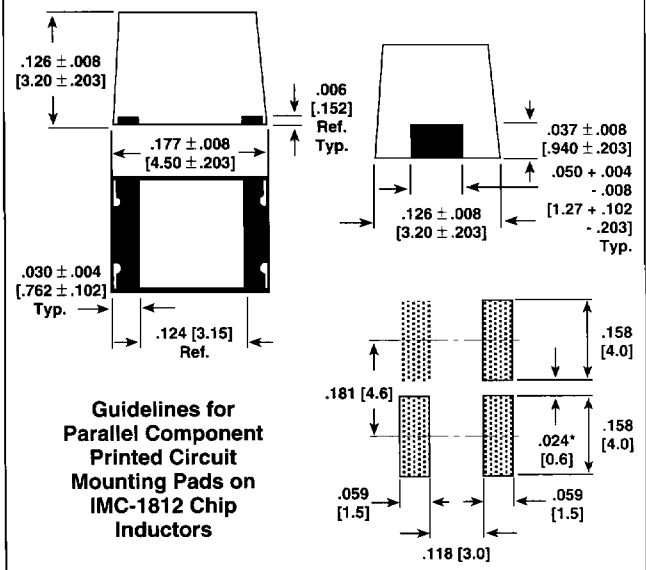
Coilform Material: Non-magnetic for .010μH to .82μH.
Powdered Iron for 1.0μH to 120μH. Ferrite for 150μH to 1000μH.

TEST EQUIPMENT

- H/P 4342A Q meter with Vishay Dale test fixture or equivalent.
- H/P 4191A RF Impedance Analyzer (for SRF measurements).
- Wheatstone bridge.

DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



*Recommended minimum spacing between components.

PART MARKING

- Vishay Dale
- Inductance value
- Date code

HOW TO ORDER

IMC-1812	10μH	±10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE