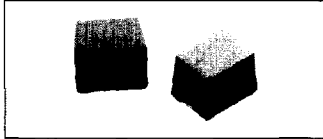


MODEL EDS-IMC-1210

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 infra-red reflow soldering
- Wide inductance range in small packaging

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%	30	50.0	1000.0	.13	734
.012	± 20%	30	50.0	1000.0	.14	707
.015	± 20%	30	50.0	1000.0	.16	661
.018	± 20%	30	50.0	1000.0	.18	624
.022	± 20%	30	50.0	1000.0	.20	592
.027	± 20%	30	50.0	1000.0	.22	564
.033	± 20%	30	50.0	1000.0	.24	540
.039	± 20%	30	50.0	1000.0	.27	530
.047	± 20%	30	50.0	1000.0	.30	483
.056	± 20%	30	50.0	1000.0	.33	470
.068	± 20%	30	50.0	1000.0	.36	450
.082	± 20%	30	50.0	900.0	.40	450
.100	± 20%	30	50.0	700.0	.44	450
.12	± 20%	30	25.2	500.0	.22	584
.15	± 20%	30	25.2	450.0	.25	548
.18	± 20%	30	25.2	400.0	.28	518
.22	± 20%	30	25.2	350.0	.32	484
.27	± 20%	30	25.2	320.0	.36	456
.33	± 20%	30	25.2	300.0	.40	433
.39	± 20%	30	25.2	250.0	.45	450
.47	± 20%	30	25.2	220.0	.50	450
.56	± 20%	30	25.2	180.0	.55	450
.68	± 20%	30	25.2	160.0	.60	450
.82	± 20%	30	25.2	140.0	.67	450
1.0	± 10%	30	7.96	120.0	.70	400
1.2	± 10%	30	7.96	100.0	.75	390
1.5	± 10%	30	7.96	85.0	.85	370
1.8	± 10%	30	7.96	80.0	.90	350
2.2	± 10%	30	7.96	75.0	1.0	320
2.7	± 10%	30	7.96	70.0	1.1	290
3.3	± 10%	30	7.96	60.0	1.2	260
3.9	± 10%	30	7.96	55.0	1.3	250
4.7	± 10%	30	7.96	50.0	1.5	224
5.6	± 10%	30	7.96	45.0	1.6	217
6.8	± 10%	30	7.96	40.0	1.8	204
8.2	± 10%	30	7.96	38.0	2.0	194
10.0	± 10%	30	2.52	33.0	2.1	189
12.0	± 10%	30	2.52	30.0	2.5	173
15.0	± 10%	30	2.52	21.0	2.8	164
18.0	± 10%	30	2.52	20.0	3.3	151
22.0	± 10%	30	2.52	19.0	3.7	145
27.0	± 10%	30	2.52	18.0	5.0	122
33.0	± 10%	30	2.52	16.0	6.0	112
39.0	± 10%	30	2.52	15.0	7.0	104
47.0	± 10%	30	2.52	14.0	9.0	91
56.0	± 10%	30	2.52	12.0	10.0	87
68.0	± 10%	30	2.52	11.0	11.0	83
82.0	± 10%	30	2.52	10.0	12.0	79
100.0	± 10%	20	0.796	9.0	14.0	73

* based on maximum temperature rise of 40°C at 85°C ambient

ELECTRICAL SPECIFICATIONS

Inductance Range: .01μH to 100μH.
Inductance Tolerance: ± 20% for .01μH to .82μH.
 ± 10% for 1.0μH to 100μH standard.
 Special tolerances available.

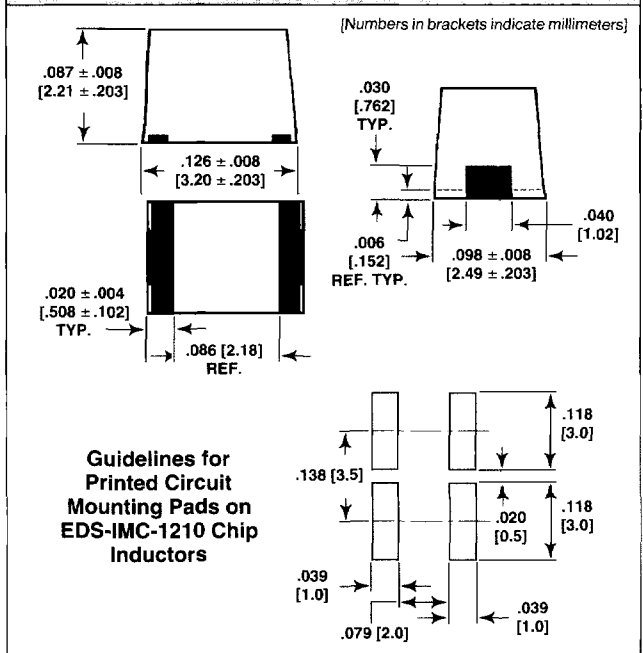
Temperature Range: - 55°C to + 105°C.

Coilform Material: Non-magnetic for .01μH to .10μH.
 Powdered Iron for 1.2μH to 100μH.

TEST EQUIPMENT

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

DIMENSIONAL CONFIGURATIONS



PART MARKING

- Dale
- Inductance value
- Date code

HOW TO ORDER

EDS-IMC-1210	10μH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE