Inductors

Epoxy Conformal Coated, Axial Leaded

STANDARD ELECTRICAL SPECIFICATIONS

IND. (µH)	TOL.	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RES. FREQ. MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
0.10	± 5%, ± 10%	25	25.2	320	0.15	1750
0.12	± 5%, ± 10%	25	25.2	320	0.16	1650
0.15	± 5%, ± 10%	25	25.2	320	0.17	1560
0.18	± 5%, ± 10%	25	25.2	320	0.19	1480
0.22	± 5%, ± 10%	25	25.2	300	0.21	1400
0.27	± 5%, ± 10%	25	25.2	300	0.24	1320
0.33	± 5%, ± 10%	25	25.2	300	0.28	1280
0.39	± 5%, ± 10%	25	25.2	280	0.32	1200
0.47	± 5%, ± 10%	25	25.2	250	0.36	1150
0.56	± 5%, ± 10%	25	25.2	230	0.41	1100
0.68	± 5%, ± 10%	25	25.2	210	0.47	1030
0.82	± 5%, ± 10%	45	25.2	172	0.24	980
1.0	± 5%, ± 10%	45	25.2	140	0.24	920
1.2	± 5%, ± 10%	50	7.96	140	0.27	880
1.5	± 5%, ± 10%	50	7.96	131	0.30	830
1.8	± 5%, ± 10%	55	7.96	121	0.32	790
2.2	± 5%, ± 10%	55	7.96	110	0.35	750
2.7	± 5%, ± 10%	60	7.96	100	0.35	720
3.3	± 5%, ± 10%	65	7.96	94	0.35	670
3.9	± 5%, ± 10%	65	7.96	86	0.37	640
4.7	± 5%, ± 10%	70	7.96	80	0.39	620
5.6	± 5%, ± 10%	70	7.96	74	0.43	590
6.8	± 5%, ± 10%	75	7.96	68	0.48	550
8.2	± 5%, ± 10%	70	7.96	53	0.52	530
10	± 5%, ± 10%	70	2.52	45	0.58	500
12	± 5%, ± 10%	70	2.52	34	0.63	480
15	± 5%, ± 10%	70	2.52	20	0.72	460
18	± 5%, ± 10%	65	2.52	14	0.77	430
22	± 5%, ± 10%	40	2.52	9.9	0.84	410
27	± 5%, ± 10%	55	2.52	7.6	0.94	390
33	± 5%, + 10%	55	2.52	6.3	1.03	370
39	± 5%, ± 10%	50	2.52	6.3	1.12	350
47	± 5%, ± 10%	45	2.52	6.3	1.22	340
56	± 5%, ± 10%	40	2.52	6.2	1.34	320
68	± 5%, ± 10%	40	2.52	5.7	1.47	306
82	± 5%, ± 10%	35	2.52	5.3	1.62	290
100	± 5%, ± 10%	30	2.52	4.8	1.80	275
120	± 5%, ± 10%	70	0.796	3.8	3.7	185
150	± 5%, ± 10%	70	0.796	3.5	4.2	175
180	± 5%, ± 10%	70	0.796	3.3	4.6	165
220	± 5%, ± 10%	70	0.796	3.0	5.1	155
270	± 5%, ± 10%	65	0.796	2.8	5.8	146
330	± 5%, ± 10%	65	0.796	2.6	6.4	137
390	± 5%, ± 10%	65	0.796	2.4	7.0	133
470	± 5%, ± 10%	60	0.796	2.25	7.7	126
560	± 5%, ± 10%	60	0.796	2.10	8.5	120
680	± 5%, ± 10%	55	0.796	1.95	9.4	113
820	± 5%, ± 10%	55	0.796	1.85	12.0	100
1000	± 5%, ± 10%	50	0.796	1.40	17.4	100

FEATURES

- High performance ferrite core is used in this epoxy conformally coated choke which allows for inductance values to 1000µH.
- Axial lead type, small lightweight design.
- Special magnetic core structure contributes to high Q and self-resonant frequencies.
- Treated with epoxy resin coating for humidity resistance to ensure long life.
- Heat resistant adhesives and special structural design for effective open circuit measurement.

ELECTRICAL SPECIFICATIONS

Inductance Range: 0.1µH to 1000µH.
Inductance Tolerance: ± 10% from 0.1µH to 1000µH standard, ± 5% optional.
Operating Temperature Range: - 20°C to + 105°C.
Dielectric Strength: 250V RMS.

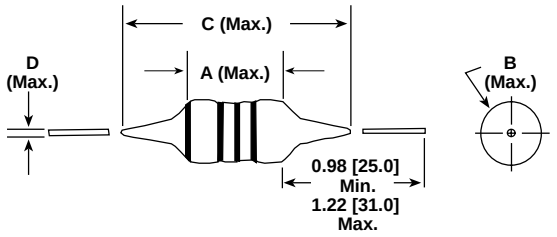
MECHANICAL SPECIFICATIONS

Terminal Strength: Pull = 5 pounds. Twist = 360°C x 3.
Protection: Epoxy uniform roll coated.
Leads: Tinned copper.

ENVIRONMENTAL SPECIFICATIONS

Maximum Temperature Rise: + 20°C.

DIMENSIONS in inches [millimeters]



MODEL	A (Max.)	B (Max.)	C (Max.)	D (Max.)
IRF-36	0.236 [6.0]	0.157 [4.0]	0.551 [14.0]	0.026 [0.65]

ORDERING INFORMATION

IRF-36	4.7µH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE

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