

## Inductors

Epoxy Conformal Coated, Axial Leaded



## STANDARD ELECTRICAL SPECIFICATIONS

IND. ( $\mu$ H)	TOL.	Q MIN.	TEST FREQ. L & Q (MHz)	SELF- RES. FREQ. MIN. (MHz)	DCR MAX. ( $\Omega$ )	RATED DC CURRENT (mA)
0.10	$\pm 5\%, \pm 10\%$	25	25.2	320	0.15	1750
0.12	$\pm 5\%, \pm 10\%$	25	25.2	320	0.16	1650
0.15	$\pm 5\%, \pm 10\%$	25	25.2	320	0.17	1560
0.18	$\pm 5\%, \pm 10\%$	25	25.2	320	0.19	1480
0.22	$\pm 5\%, \pm 10\%$	25	25.2	300	0.21	1400
0.27	$\pm 5\%, \pm 10\%$	25	25.2	300	0.24	1320
0.33	$\pm 5\%, \pm 10\%$	25	25.2	300	0.28	1280
0.39	$\pm 5\%, \pm 10\%$	25	25.2	280	0.32	1200
0.47	$\pm 5\%, \pm 10\%$	25	25.2	250	0.36	1150
0.56	$\pm 5\%, \pm 10\%$	25	25.2	230	0.41	1100
0.68	$\pm 5\%, \pm 10\%$	25	25.2	210	0.47	1030
0.82	$\pm 5\%, \pm 10\%$	45	25.2	172	0.24	980
1.0	$\pm 5\%, \pm 10\%$	45	25.2	140	0.24	920
1.2	$\pm 5\%, \pm 10\%$	50	7.96	140	0.27	880
1.5	$\pm 5\%, \pm 10\%$	50	7.96	131	0.30	830
1.8	$\pm 5\%, \pm 10\%$	55	7.96	121	0.32	790
2.2	$\pm 5\%, \pm 10\%$	55	7.96	110	0.35	750
2.7	$\pm 5\%, \pm 10\%$	60	7.96	100	0.35	720
3.3	$\pm 5\%, \pm 10\%$	65	7.96	94	0.35	670
3.9	$\pm 5\%, \pm 10\%$	65	7.96	86	0.37	640
4.7	$\pm 5\%, \pm 10\%$	70	7.96	80	0.39	620
5.6	$\pm 5\%, \pm 10\%$	70	7.96	74	0.43	590
6.8	$\pm 5\%, \pm 10\%$	75	7.96	68	0.48	550
8.2	$\pm 5\%, \pm 10\%$	70	7.96	53	0.52	530
10	$\pm 5\%, \pm 10\%$	70	2.52	45	0.58	500
12	$\pm 5\%, \pm 10\%$	70	2.52	34	0.63	480
15	$\pm 5\%, \pm 10\%$	70	2.52	20	0.72	460
18	$\pm 5\%, \pm 10\%$	65	2.52	14	0.77	430
22	$\pm 5\%, \pm 10\%$	40	2.52	9.9	0.84	410
27	$\pm 5\%, \pm 10\%$	55	2.52	7.6	0.94	390
33	$\pm 5\%, \pm 10\%$	55	2.52	6.3	1.03	370
39	$\pm 5\%, \pm 10\%$	50	2.52	6.3	1.12	350
47	$\pm 5\%, \pm 10\%$	45	2.52	6.3	1.22	340
56	$\pm 5\%, \pm 10\%$	40	2.52	6.2	1.34	320
68	$\pm 5\%, \pm 10\%$	40	2.52	5.7	1.47	306
82	$\pm 5\%, \pm 10\%$	35	2.52	5.3	1.62	290
100	$\pm 5\%, \pm 10\%$	30	2.52	4.8	1.80	275
120	$\pm 5\%, \pm 10\%$	70	0.796	3.8	3.7	185
150	$\pm 5\%, \pm 10\%$	70	0.796	3.5	4.2	175
180	$\pm 5\%, \pm 10\%$	70	0.796	3.3	4.6	165
220	$\pm 5\%, \pm 10\%$	70	0.796	3.0	5.1	155
270	$\pm 5\%, \pm 10\%$	65	0.796	2.8	5.8	146
330	$\pm 5\%, \pm 10\%$	65	0.796	2.6	6.4	137
390	$\pm 5\%, \pm 10\%$	65	0.796	2.4	7.0	133
470	$\pm 5\%, \pm 10\%$	60	0.796	2.25	7.7	126
560	$\pm 5\%, \pm 10\%$	60	0.796	2.10	8.5	120
680	$\pm 5\%, \pm 10\%$	55	0.796	1.95	9.4	113
820	$\pm 5\%, \pm 10\%$	55	0.796	1.85	12.0	100
1000	$\pm 5\%, \pm 10\%$	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 1000 $\mu$ H.
- 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: 0.1 $\mu$ H to 1000 $\mu$ H.Inductance Tolerance:  $\pm 10\%$  from 0.1 $\mu$ H to 1000 $\mu$ H standard,  $\pm 5\%$  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.

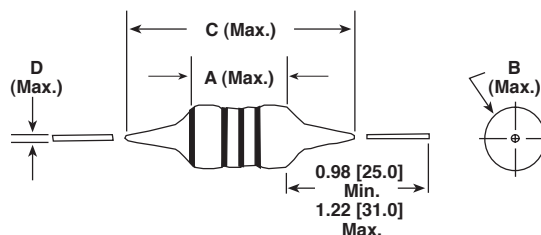
Protection: Epoxy uniform roll coated.

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]

## DESCRIPTION

IRF-36 MODEL	4.7 $\mu$ H INDUCTANCE VALUE	$\pm 10\%$ INDUCTANCE TOLERANCE	ER PACKAGE CODE	e2 JEDEC LEAD FREE STANDARD
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## GLOBAL PART NUMBER

I	R	F	3	6	E	R	4	R	7	K
PRODUCT FAMILY			SIZE		PACKAGE CODE		INDUCTANCE VALUE			TOL.

See the end of this data book for conversion tables