Inductors

Epoxy Conformal Coated, Axial Leaded

FEATURES

- 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: 1000µH to 39,000µH.
Inductance Tolerance: ± 10% standard, ± 5% optional.
Operating Temperature Range: - 20°C to + 105°C.
Dielectric Strength: 250VRMS.

MECHANICAL SPECIFICATIONS

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

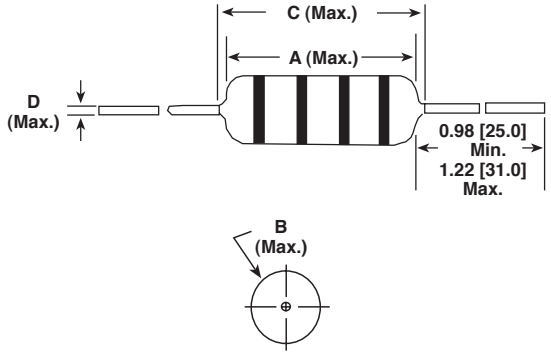
ENVIRONMENTAL SPECIFICATIONS

Maximum Temperature Rise: + 20°C.

STANDARD ELECTRICAL SPECIFICATIONS

IND. @ 1KHz (µH)	TOL.	Q MIN.	TEST FREQ. Q (MHz)	DCR MAX. (Ω)	SRF MIN. (MHz)	RATED DC CURRENT (mA)
1000	± 5%, ± 10%	80	2.52	8	1.7	200
1200	± 5%, ± 10%	80	2.52	9	1.5	180
1500	± 5%, ± 10%	80	2.52	10	1.4	160
1800	± 5%, ± 10%	80	2.52	11	1.3	150
2200	± 5%, ± 10%	80	2.52	14	1.2	120
2700	± 5%, ± 10%	80	2.52	18	1.0	110
3300	± 5%, ± 10%	80	2.52	22	0.9	105
3900	± 5%, ± 10%	80	2.52	26	0.8	100
4700	± 5%, ± 10%	80	2.52	30	0.7	95
5600	± 5%, ± 10%	60	2.52	34	0.7	80
6800	± 5%, ± 10%	60	2.52	48	0.5	75
8200	± 5%, ± 10%	60	2.52	62	0.5	70
10,000	± 5%, ± 10%	60	2.52	74	0.5	65
12,000	± 5%, ± 10%	50	2.52	88	0.4	60
15,000	± 5%, ± 10%	50	2.52	102	0.4	55
18,000	± 5%, ± 10%	40	0.0796	150	0.3	50
22,000	± 5%, ± 10%	40	0.0796	180	0.3	45
27,000	± 5%, ± 10%	40	0.0796	210	0.3	40
30,000	± 5%, ± 10%	40	0.0796	240	0.3	35
33,000	± 5%, ± 10%	40	0.0796	250	0.2	30
39,000	± 5%, ± 10%	40	0.0796	270	0.2	25

DIMENSIONS in inches [millimeters]



MODEL	A (Max.)	B (Max.)	C (Max.)	D (Max.)
IRF-46	0.236 [6.0]	0.197 [5.0]	0.551 [14.0]	0.026 [0.65]

DESCRIPTION

IRF-46	15000µH	± 10%	ER	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JDEC LEAD FREE STANDARD

GLOBAL PART NUMBER

I	R	F	4	6	E	R	1	5	3	K
PRODUCT FAMILY			SIZE		PACKAGE CODE		INDUCTANCE VALUE			TOL.

See the end of this data book for conversion tables