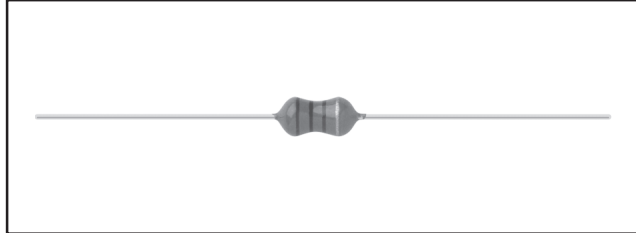


Inductors

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.

STANDARD ELECTRICAL SPECIFICATIONS

IND. @ 1KHz (μ H)	TOL.	Q MIN.	TEST FREQ. Q (MHz)	DCR MAX. (Ω)	SRF MIN. (MHz)	RATED DC CURRENT (mA)
1000	$\pm 5\%, \pm 10\%$	80	2.52	8	1.7	200
1200	$\pm 5\%, \pm 10\%$	80	2.52	9	1.5	180
1500	$\pm 5\%, \pm 10\%$	80	2.52	10	1.4	160
1800	$\pm 5\%, \pm 10\%$	80	2.52	11	1.3	150
2200	$\pm 5\%, \pm 10\%$	80	2.52	14	1.2	120
2700	$\pm 5\%, \pm 10\%$	80	2.52	18	1.0	110
3300	$\pm 5\%, \pm 10\%$	80	2.52	22	0.9	105
3900	$\pm 5\%, \pm 10\%$	80	2.52	26	0.8	100
4700	$\pm 5\%, \pm 10\%$	80	2.52	30	0.7	95
5600	$\pm 5\%, \pm 10\%$	60	2.52	34	0.7	80
6800	$\pm 5\%, \pm 10\%$	60	2.52	48	0.5	75
8200	$\pm 5\%, \pm 10\%$	60	2.52	62	0.5	70
10,000	$\pm 5\%, \pm 10\%$	60	2.52	74	0.5	65
12,000	$\pm 5\%, \pm 10\%$	50	2.52	88	0.4	60
15,000	$\pm 5\%, \pm 10\%$	50	2.52	102	0.4	55
18,000	$\pm 5\%, \pm 10\%$	40	.0796	150	0.3	50
22,000	$\pm 5\%, \pm 10\%$	40	.0796	180	0.3	45
27,000	$\pm 5\%, \pm 10\%$	40	.0796	210	0.3	40
30,000	$\pm 5\%, \pm 10\%$	40	.0796	240	0.3	35
33,000	$\pm 5\%, \pm 10\%$	40	.0796	250	0.2	30
39,000	$\pm 5\%, \pm 10\%$	40	.0796	270	0.2	25

ELECTRICAL SPECIFICATIONS

Inductance Range: 1000 μ H to 39,000 μ H.
Inductance Tolerance: $\pm 10\%$ standard, $\pm 5\%$ optional.
Operating Temperature Range: - 20°C to + 105°C.
Dielectric Strength: 250V RMS.

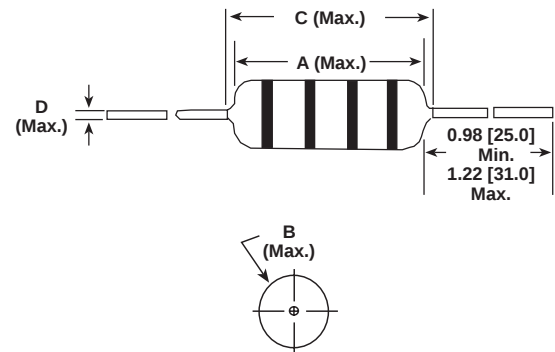
MECHANICAL SPECIFICATIONS

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.

DIMENSIONAL CONFIGURATIONS



[Numbers in brackets indicate 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]

HOW TO ORDER

IRF-46
MODEL

15,000 μ H
INDUCTANCE VALUE

$\pm 10\%$
INDUCTANCE TOLERANCE