

Inductors, Epoxy Conformal Coated, Axial Leaded



ELECTRICAL SPECIFICATIONS

Inductance Range: 1000 μH to 39 000 μH

Inductance Tolerance: ± 10 % standard, ± 5 % optional Operating Temperature Range: -20 °C to +105 °C

Dielectric Strength: 250 V_{RMS}

MECHANICAL SPECIFICATIONS

Terminal Strength: pull = 5 pounds, twist = 360 °C x 3

Protection: epoxy uniform roll coated

Leads: tinned copper

ENVIRONMENTAL SPECIFICATIONS

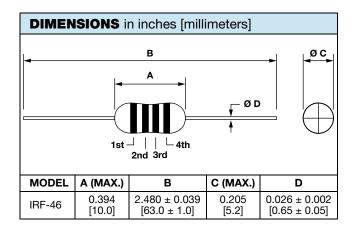
Maximum Temperature Rise: +20 °C

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
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>



STANDARD ELECTRICAL SPECIFICATIONS									
MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY (MHz)	DCR MAX. (Ω)	SRF MIN. (MHz)	RATED DC CURRENT (mA)		
IRF-46	1000	± 5, ± 10	80	2.52	8	1.7	200		
IRF-46	1200	± 5, ± 10	80	2.52	9	1.5	180		
IRF-46	1500	± 5, ± 10	80	2.52	10	1.4	160		
IRF-46	1800	± 5, ± 10	80	2.52	11	1.3	150		
IRF-46	2200	± 5, ± 10	80	2.52	14	1.2	120		
IRF-46	2700	± 5, ± 10	80	2.52	18	1.0	110		
IRF-46	3300	± 5, ± 10	80	2.52	22	0.9	105		
IRF-46	3900	± 5, ± 10	80	2.52	26	0.8	100		
IRF-46	4700	± 5, ± 10	80	2.52	30	0.7	95		
IRF-46	5600	± 5, ± 10	60	2.52	34	0.7	80		
IRF-46	6800	± 5, ± 10	60	2.52	48	0.5	75		
IRF-46	8200	± 5, ± 10	60	2.52	62	0.5	70		
IRF-46	10 000	± 5, ± 10	60	0.0796	74	0.5	65		
IRF-46	12 000	± 5, ± 10	50	0.0796	88	0.4	60		
IRF-46	15 000	± 5, ± 10	50	0.0796	102	0.4	55		
IRF-46	18 000	± 5, ± 10	40	0.0796	150	0.3	50		
IRF-46	22 000	± 5, ± 10	40	0.0796	180	0.3	45		
IRF-46	27 000	± 5, ± 10	40	0.0796	210	0.3	40		
IRF-46	30 000	± 5, ± 10	40	0.0796	240	0.3	35		
IRF-46	33 000	± 5, ± 10	40	0.0796	250	0.2	30		
IRF-46	39 000	± 5, ± 10	40	0.0796	270	0.2	25		





Vishay Dale

ORDERING INFORMATION								
IRF-46	15 000 μΗ	± 10 %	ER	e3				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD				

GLOBAL PART NUMBER								
I R F 4 6	PACKAGE CODE	1 5 3 INDUCTANCE VALUE	INDUCTANCE TOLERANCE					



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