

Inductors, Epoxy Conformal Coated, Axial Leaded



ELECTRICAL SPECIFICATIONS

Inductance Range: 1000 µH to 39 000 µH

Inductance Tolerance: \pm 10 % standard, \pm 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

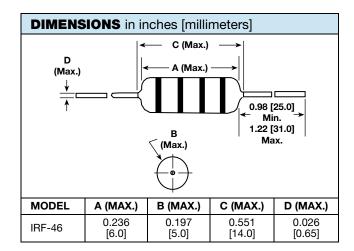
Maximum Temperature Rise: + 20 °C

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	$\pm 5, \pm 10$	80	2.52	9	1.5	180	
IRF-46	1500	$\pm 5, \pm 10$	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	2.52	74	0.5	65	
IRF-46	12 000	± 5, ± 10	50	2.52	88	0.4	60	
IRF-46	15 000	± 5, ± 10	50	2.52	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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