

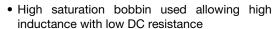
Choke Coil, Axial Leaded



STANDARD ELECTRICAL SPECIFICATIONS					
IND. AT 1 kHz, 1 V (μH)	TOL. (%)	DCR MAX. (Ω)	I _{RMS} (A)	I _{SAT} (A)	
3.9	± 15	0.007	4.00	8.20	
4.7	± 15	0.008	4.00	7.50	
5.6	± 15	0.011	4.00	6.90	
6.8	± 15	0.011	4.00	6.30	
8.2	± 15	0.013	4.00	5.70	
10	± 15	0.016	4.00	5.20	
12	± 15	0.018	4.00	4.70	
15	± 15	0.020	4.00	4.30	
18	± 15	0.022	4.00	3.90	
22	± 15	0.024	4.00	3.50	
27	± 15	0.025	4.00	3.20	
33	± 15	0.028	4.00	2.90	
39	± 15	0.031	4.00	2.70	
47	± 15	0.034	4.00	2.50	
56	± 15	0.043	3.20	2.30	
68	± 15	0.059	2.50	2.10	
82	± 15	0.066	2.00	1.90	
100	± 15	0.084	1.60	1.70	
120	± 15	0.113	1.60	1.60	
150	± 15	0.129	1.60	1.40	
180	± 15	0.150	1.60	1.30	
220	± 15	0.162	1.60	1.20	
270	± 15	0.226	1.60	1.10	
330	± 15	0.257	1.60	0.95	
390	± 15	0.288	1.60	0.88	
470	± 15	0.393	1.20	0.80	
560	± 15	0.504	1.00	0.74	
680	± 15	0.570	1.00	0.67	
820	± 15	0.643	0.80	0.61	
1000	± 15	0.844	0.80	0.56	
1200	± 15	0.977	0.60	0.51	
1500	± 15	1.18	0.60	0.46	
1800	± 15	1.50	0.60	0.42	
2200	± 15	1.76	0.50	0.38	
2700	± 15	2.13	0.40	0.34	
3300	± 15	2.53	0.40	0.31	
3900	± 15	2.84	0.40	0.29	
4700	± 15	3.79	0.40	0.29	
5600	± 15	4.24	0.32	0.24	
6800	± 15	5.75	0.25	0.24	
8200	± 15	6.44	0.25	0.22	
10 000	± 15	7.30	0.25	0.20	
12 000	± 15	9.34	0.20	0.16	
15 000	± 15	10.7	0.20	0.17	
18 000	± 15	14.8	0.20	0.13	
22 000	± 15	18.0	0.18	0.14	
27 000	± 15	22.7	0.13	0.12	
33 000	± 15	25.7	0.13	0.10	
39 000	± 15	29.7	0.13	0.10	
47 000	± 15	33.7	0.10	0.09	
56 000	± 15	38.0	0.10	0.09	
68 000		52.8	0.10	0.08	
82 000		67.3	0.08	0.07	
100 000		76.0	0.07	0.07	
100 000	± 15	10.0	0.07	0.00	

FEATURES

- Printed circuit mounting (axial leads)
- · Protected by polyolefin tubing





RoHS COMPLIANT

- Pre-tinned leads
- High resistivity core offers very high parallel resistance, resulting in maximum coil performance
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

ELECTRICAL SPECIFICATIONS

Inductance Range: $3.9~\mu H$ to $100~000~\mu H$

Inductance Tolerance: ± 15 %

Incremental Current: the typical current at which the inductance will be decreased by 5 % from its initial zero DC value

Temperature Rise: 40 °C max. at I_{RMS}

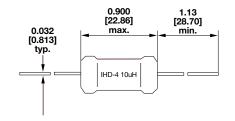
Storage Temperature: -55 °C to +125 °C

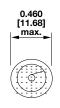
Operating Temperature: -40 °C to +85 °C

MECHANICAL SPECIFICATIONS

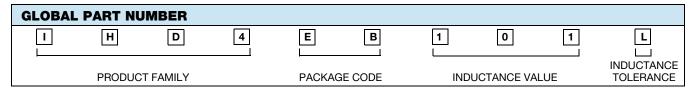
Wire: enamelled copper wire 2-UEW

Core: DRWW ferrite core Lead: tinned copper wire Tube: shrinkable tube Varnish: #8562/C





DESCRIPTION						
IHD-4	100 µH	15 %	EB	e3		
MODEL	INDUCTACE VALUE	TOLERANCE	PACKAGE CODE	JEDEC [®] LEAD (Pb)-FREE STANDARD		





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