

Choke Coil, Axial Leaded



STANDARD ELECTRICAL SPECIFICATIONS

IND. AT 1 kHz, 1 V (μ H)	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	0.26
5600	± 15	4.24	0.32	0.24
6800	± 15	5.75	0.25	0.22
8200	± 15	6.44	0.25	0.20
10 000	± 15	7.30	0.25	0.18
12 000	± 15	9.34	0.20	0.17
15 000	± 15	10.7	0.20	0.15
18 000	± 15	14.8	0.16	0.14
22 000	± 15	18.0	0.13	0.12
27 000	± 15	22.7	0.13	0.11
33 000	± 15	25.7	0.13	0.10
39 000	± 15	29.7	0.10	0.09
47 000	± 15	33.7	0.10	0.09
56 000	± 15	38.0	0.10	0.08
68 000	± 15	52.8	0.08	0.07
82 000	± 15	67.3	0.07	0.07
100 000	± 15	76.0	0.07	0.06

FEATURES

- Printed circuit mounting (axial leads)
- Protected by polyolefin tubing
- High saturation bobbin used allowing high inductance with low DC resistance
- Pre-tinned leads
- High resistivity core offers very high parallel resistance, resulting in maximum coil performance
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

ELECTRICAL SPECIFICATIONS

Inductance Range: 3.9 μ H to 100 000 μ H

Inductance Tolerance: $\pm 15\%$
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

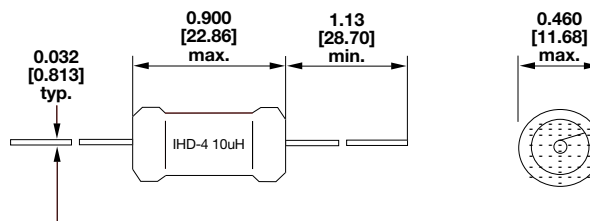
MECHANICAL SPECIFICATIONS

Wire: enamelled copper wire 2-UEW

Core: DRWW ferrite core

Lead: tinned copper wire

Tube: shrinkable tube

Varnish: #8562/C


DESCRIPTION

IHD-4	100 μ H	15 %	EB	e3
MODEL	INDUCTANCE VALUE	TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	H	D	4	E	B	1	0	1	L
PRODUCT FAMILY				PACKAGE CODE		INDUCTANCE VALUE			INDUCTANCE TOLERANCE



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