

# Choke Coil, Axial Leaded



## STANDARD ELECTRICAL SPECIFICATIONS

IND. AT 1 kHz, 1 V ( $\mu$ H)	TOL. (%)	DCR MAX. ( $\Omega$ )	$I_{RMS}$ (A)	$I_{SAT}$ (A)
3.9	$\pm 15$	0.007	4.00	8.20
4.7	$\pm 15$	0.008	4.00	7.50
5.6	$\pm 15$	0.011	4.00	6.90
6.8	$\pm 15$	0.011	4.00	6.30
8.2	$\pm 15$	0.013	4.00	5.70
10	$\pm 15$	0.016	4.00	5.20
12	$\pm 15$	0.018	4.00	4.70
15	$\pm 15$	0.020	4.00	4.30
18	$\pm 15$	0.022	4.00	3.90
22	$\pm 15$	0.024	4.00	3.50
27	$\pm 15$	0.025	4.00	3.20
33	$\pm 15$	0.028	4.00	2.90
39	$\pm 15$	0.031	4.00	2.70
47	$\pm 15$	0.034	4.00	2.50
56	$\pm 15$	0.043	3.20	2.30
68	$\pm 15$	0.059	2.50	2.10
82	$\pm 15$	0.066	2.00	1.90
100	$\pm 15$	0.084	1.60	1.70
120	$\pm 15$	0.113	1.60	1.60
150	$\pm 15$	0.129	1.60	1.40
180	$\pm 15$	0.150	1.60	1.30
220	$\pm 15$	0.162	1.60	1.20
270	$\pm 15$	0.226	1.60	1.10
330	$\pm 15$	0.257	1.60	0.95
390	$\pm 15$	0.288	1.60	0.88
470	$\pm 15$	0.393	1.20	0.80
560	$\pm 15$	0.504	1.00	0.74
680	$\pm 15$	0.570	1.00	0.67
820	$\pm 15$	0.643	0.80	0.61
1000	$\pm 15$	0.844	0.80	0.56
1200	$\pm 15$	0.977	0.60	0.51
1500	$\pm 15$	1.18	0.60	0.46
1800	$\pm 15$	1.50	0.60	0.42
2200	$\pm 15$	1.76	0.50	0.38
2700	$\pm 15$	2.13	0.40	0.34
3300	$\pm 15$	2.53	0.40	0.31
3900	$\pm 15$	2.84	0.40	0.29
4700	$\pm 15$	3.79	0.40	0.26
5600	$\pm 15$	4.24	0.32	0.24
6800	$\pm 15$	5.75	0.25	0.22
8200	$\pm 15$	6.44	0.25	0.20
10 000	$\pm 15$	7.30	0.25	0.18
12 000	$\pm 15$	9.34	0.20	0.17
15 000	$\pm 15$	10.7	0.20	0.15
18 000	$\pm 15$	14.8	0.16	0.14
22 000	$\pm 15$	18.0	0.13	0.12
27 000	$\pm 15$	22.7	0.13	0.11
33 000	$\pm 15$	25.7	0.13	0.10
39 000	$\pm 15$	29.7	0.10	0.09
47 000	$\pm 15$	33.7	0.10	0.09
56 000	$\pm 15$	38.0	0.10	0.08
68 000	$\pm 15$	52.8	0.08	0.07
82 000	$\pm 15$	67.3	0.07	0.07
100 000	$\pm 15$	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](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

## ELECTRICAL SPECIFICATIONS

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

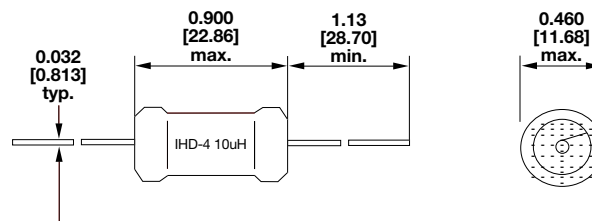
## MECHANICAL SPECIFICATIONS

**Wire:** enamelled copper wire 2-UEW

**Core:** DRWW ferrite core

**Lead:** tinned copper wire

**Tube:** shrinkable tube

**Varnish:** #8562/C


## DESCRIPTION

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

## GLOBAL PART NUMBER

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



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