

# Choke Coil, Axial Leaded



## STANDARD ELECTRICAL SPECIFICATIONS

IND. AT 1 kHz, 1 V ( $\mu$ H)	TOL. (%)	DCR MAX. ( $\Omega$ )	I <sub>RMS</sub> (A)	I <sub>SAT</sub> (A)
1.0	± 15	0.009	5.30	7.00
1.2	± 15	0.010	5.00	6.40
1.5	± 15	0.011	4.80	5.70
1.8	± 15	0.012	4.60	5.20
2.2	± 15	0.013	4.40	4.70
2.7	± 15	0.014	4.20	4.30
3.3	± 15	0.016	4.00	3.90
3.9	± 15	0.170	3.80	3.60
4.7	± 15	0.022	3.40	3.30
5.6	± 15	0.024	3.20	3.00
6.8	± 15	0.026	3.10	2.70
8.2	± 15	0.028	3.00	2.50
10	± 15	0.033	2.80	2.30
12	± 15	0.037	2.60	2.10
15	± 15	0.040	2.50	1.90
18	± 15	0.044	2.40	1.70
22	± 15	0.050	2.20	1.50
27	± 15	0.070	1.90	1.40
33	± 15	0.075	1.80	1.30
39	± 15	0.084	1.70	1.20
47	± 15	0.104	1.60	1.10
56	± 15	0.130	1.40	0.97
68	± 15	0.145	1.30	0.88
82	± 15	0.152	1.30	0.80
100	± 15	0.208	1.10	0.73
120	± 15	0.283	0.94	0.66
150	± 15	0.330	0.87	0.60
180	± 15	0.362	0.83	0.54
220	± 15	0.505	0.70	0.49
270	± 15	0.557	0.67	0.45
330	± 15	0.650	0.62	0.40
390	± 15	0.770	0.57	0.37
470	± 15	1.03	0.49	0.34
560	± 15	1.14	0.47	0.31
680	± 15	1.50	0.41	0.28
820	± 15	1.98	0.36	0.26
1000	± 15	2.30	0.33	0.23
1200	± 15	2.55	0.31	0.21
1500	± 15	3.00	0.29	0.19
1800	± 15	4.00	0.25	0.18
2200	± 15	4.40	0.24	0.16
2700	± 15	5.80	0.21	0.14
3300	± 15	6.56	0.20	0.13
3900	± 15	8.63	0.17	0.12
4700	± 15	10.10	0.16	0.11
5600	± 15	11.20	0.15	0.10
6800	± 15	15.00	0.13	0.09
8200	± 15	20.80	0.11	0.08
10 000	± 15	23.40	0.10	0.08
12 000	± 15	26.00	0.10	0.07
15 000	± 15	36.00	0.08	0.06
18 000	± 15	40.00	0.08	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:** 1.0  $\mu$ H to 18 000  $\mu$ 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<sub>RMS</sub>
**Storage Temperature:** -55 °C to +125 °C

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

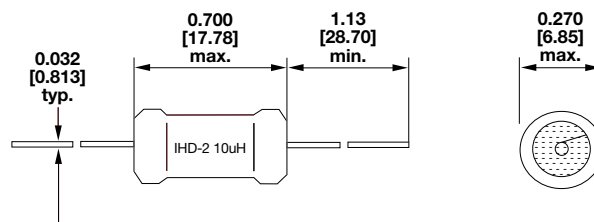
## MECHANICAL SPECIFICATIONS

**Wire:** enameled copper wire 2-UW

**Core:** DRWW ferrite core

**Lead:** tinned copper wire

**Tube:** shrinkable tube

**Varnish:** #8562/C


## DESCRIPTION

IHD-2	100 $\mu$ H	15 %	EB	e3
MODEL	INDUCTANCE VALUE	TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

## GLOBAL PART NUMBER

**I** **H** **D** **2**

PRODUCT FAMILY

**E** **B**

PACKAGE CODE

**1** **0** **1**

INDUCTANCE VALUE

**L**

INDUCTANCE  
TOLERANCE



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