Filter Inductors, High Current, Radial Leaded

FEATURES

- Printed circuit mounting
- Wide range of inductance and current ratings
- Pre-tinned leads
- Optional polyolefin tubing and printing available at additional cost
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb-free

RoHS COMPLIANT

HALOGEN FREE

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1.0 V with zero DC current

Dielectric: 2500 V_{RMS} between winding and 0.250" [6.35 mm] of insulating covering edge (with optional insulating covering)

Current Rating: Maximum continuous operating current based on a + 50 °C temperature rise

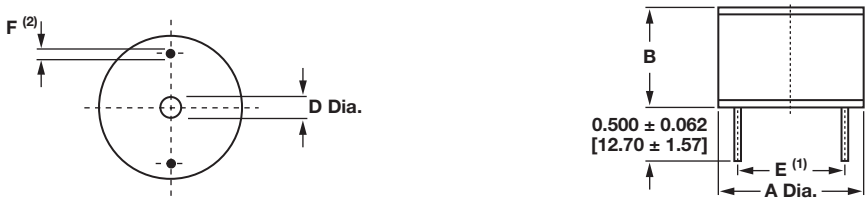
Operating Temperature: - 55 °C to + 130 °C (no load), - 55 °C to + 80 °C (at full rated current)

MECHANICAL SPECIFICATIONS

Terminals: Extensions of the winding wire, solder coated to within 0.063" [1.60 mm] of body

Mounting: Center hole for mechanical mounting, insulated bushings recommended for center hole mounting

DIMENSIONS in inches [millimeters]



MODEL	A (MAX.)	B (MAX.)	D (MIN.)
IHB-1	0.660 [16.76]	0.840 [21.34]	0.115 [2.92]
IHB-2	0.825 [20.96]	0.840 [21.34]	0.115 [2.92]
IHB-3	1.100 [27.94]	0.840 [21.34]	0.115 [2.92]
IHB-4	1.600 [40.64]	1.030 [26.16]	0.175 [4.45]
IHB-5	1.600 [40.64]	1.450 [36.83]	0.175 [4.45]
IHB-6	2.000 [50.80]	1.500 [38.10]	0.240 [6.10]

Notes

(1) E varies between components, see individual model specifications for details, tolerance of ± 0.035

(2) F varies between components, see individual model specifications for details

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (A)	LEAD "E" SPACING	MAXIMUM LEAD "F" DIAMETER
IHB-1	1.0	± 20	0.003	14.9	0.450 [11.43]	0.045 [1.15]
IHB-1	1.2	± 20	0.003	14.9	0.450 [11.43]	0.045 [1.15]
IHB-1	1.5	± 20	0.004	12.9	0.450 [11.43]	0.045 [1.15]
IHB-1	1.8	± 20	0.004	12.9	0.450 [11.43]	0.045 [1.15]
IHB-1	2.2	± 20	0.005	11.6	0.450 [11.43]	0.045 [1.15]
IHB-1	2.7	± 20	0.005	11.6	0.450 [11.43]	0.045 [1.15]
IHB-1	3.3	± 20	0.005	11.6	0.450 [11.43]	0.045 [1.15]
IHB-1	3.9	± 20	0.006	10.6	0.450 [11.43]	0.045 [1.15]
IHB-1	4.7	± 20	0.007	9.8	0.450 [11.43]	0.045 [1.15]
IHB-1	5.6	± 20	0.007	9.8	0.450 [11.43]	0.045 [1.15]
IHB-1	6.8	± 20	0.008	9.2	0.450 [11.43]	0.045 [1.15]
IHB-1	8.2	± 20	0.009	8.6	0.450 [11.43]	0.045 [1.15]
IHB-1	10	± 10	0.010	8.2	0.450 [11.43]	0.045 [1.15]
IHB-1	12	± 10	0.011	7.8	0.450 [11.43]	0.045 [1.15]
IHB-1	15	± 10	0.015	6.7	0.450 [11.43]	0.040 [1.02]
IHB-1	18	± 10	0.016	6.5	0.450 [11.43]	0.040 [1.02]
IHB-1	22	± 10	0.020	5.8	0.450 [11.43]	0.040 [1.02]
IHB-1	27	± 10	0.030	4.7	0.450 [11.43]	0.032 [0.812]
IHB-1	33	± 10	0.040	4.1	0.475 [12.07]	0.028 [0.723]
IHB-1	39	± 10	0.046	3.8	0.475 [12.07]	0.028 [0.723]

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (A)	LEAD "E" SPACING	MAXIMUM LEAD "F" DIAMETER
IHB-1	47	± 10	0.062	3.3	0.470 [11.94]	0.025 [0.644]
IHB-1	56	± 10	0.069	3.1	0.470 [11.94]	0.025 [0.644]
IHB-1	68	± 10	0.077	2.9	0.500 [12.70]	0.025 [0.644]
IHB-1	82	± 10	0.083	2.8	0.500 [12.70]	0.025 [0.644]
IHB-1	100	± 10	0.095	2.7	0.500 [12.70]	0.025 [0.644]
IHB-1	120	± 10	0.127	2.3	0.500 [12.70]	0.023 [0.573]
IHB-1	150	± 10	0.181	1.9	0.500 [12.70]	0.020 [0.510]
IHB-1	180	± 10	0.217	1.8	0.500 [12.70]	0.020 [0.510]
IHB-1	220	± 10	0.240	1.7	0.500 [12.70]	0.020 [0.510]
IHB-1	270	± 10	0.300	1.5	0.480 [12.19]	0.018 [0.455]
IHB-1	330	± 10	0.336	1.4	0.480 [12.19]	0.018 [0.455]
IHB-1	390	± 10	0.460	1.2	0.480 [12.19]	0.016 [0.405]
IHB-1	470	± 10	0.636	1.0	0.475 [12.07]	0.014 [0.361]
IHB-1	560	± 10	0.696	1.0	0.475 [12.07]	0.014 [0.361]
IHB-2	1.0	± 20	0.003	17.4	0.620 [15.75]	0.051 [1.29]
IHB-2	1.2	± 20	0.003	17.4	0.620 [15.75]	0.051 [1.29]
IHB-2	1.5	± 20	0.003	17.4	0.620 [15.75]	0.051 [1.29]
IHB-2	1.8	± 20	0.003	17.4	0.620 [15.75]	0.051 [1.29]
IHB-2	2.2	± 20	0.004	15.1	0.620 [15.75]	0.051 [1.29]
IHB-2	2.7	± 20	0.005	13.5	0.620 [15.75]	0.051 [1.29]
IHB-2	3.3	± 20	0.005	13.5	0.620 [15.75]	0.051 [1.29]
IHB-2	3.9	± 20	0.005	13.5	0.620 [15.75]	0.051 [1.29]
IHB-2	4.7	± 20	0.005	13.5	0.620 [15.75]	0.051[1.29]
IHB-2	5.6	± 20	0.006	12.3	0.620 [15.75]	0.051 [1.29]
IHB-2	6.8	± 20	0.007	11.4	0.620 [15.75]	0.051 [1.29]
IHB-2	8.2	± 20	0.007	11.4	0.620 [15.75]	0.051 [1.29]
IHB-2	10	± 10	0.009	10.0	0.620 [15.75]	0.051 [1.29]
IHB-2	12	± 10	0.009	10.0	0.620 [15.75]	0.051 [1.29]
IHB-2	15	± 10	0.013	8.4	0.620 [15.75]	0.045 [1.15]
IHB-2	18	± 10	0.018	7.1	0.615 [15.62]	0.040 [1.02]
IHB-2	22	± 10	0.019	6.9	0.615 [15.62]	0.040 [1.02]
IHB-2	27	± 10	0.026	5.9	0.575 [14.61]	0.036 [0.912]
IHB-2	33	± 10	0.029	5.6	0.575 [14.61]	0.036 [0.912]
IHB-2	39	± 10	0.030	5.5	0.600 [15.24]	0.036 [0.912]
IHB-2	47	± 10	0.035	5.1	0.600 [15.24]	0.036 [0.912]
IHB-2	56	± 10	0.039	4.8	0.600 [15.24]	0.036 [0.912]
IHB-2	68	± 10	0.053	4.1	0.600 [15.24]	0.032 [0.812]
IHB-2	82	± 10	0.060	3.9	0.600 [15.24]	0.032 [0.812]
IHB-2	100	± 10	0.080	3.4	0.600 [15.24]	0.028 [0.723]
IHB-2	120	± 10	0.090	3.2	0.600 [15.24]	0.028 [0.723]
IHB-2	150	± 10	0.098	3.0	0.600 [15.24]	0.028 [0.723]
IHB-2	180	± 10	0.110	2.9	0.600 [15.24]	0.028 [0.723]
IHB-2	220	± 10	0.150	2.5	0.600 [15.24]	0.025 [0.644]
IHB-2	270	± 10	0.213	2.1	0.600 [15.24]	0.023 [0.573]
IHB-2	330	± 10	0.305	1.7	0.600 [15.24]	0.020 [0.510]
IHB-2	390	± 10	0.320	1.7	0.600 [15.24]	0.020 [0.510]
IHB-2	470	± 10	0.355	1.6	0.590 [14.99]	0.020 [0.510]
IHB-2	560	± 10	0.388	1.5	0.590 [14.99]	0.020 [0.510]
IHB-2	680	± 10	0.430	1.5	0.590 [14.99]	0.020 [0.510]
IHB-2	820	± 10	0.590	1.2	0.590 [14.99]	0.018 [0.455]
IHB-2	1000	± 10	0.818	1.1	0.590 [14.99]	0.016 [0.405]
IHB-2	1200	± 10	1.140	0.9	0.590 [14.99]	0.014 [0.361]
IHB-2	1500	± 10	1.260	0.8	0.590 [14.99]	0.014 [0.361]
IHB-2	1800	± 10	1.390	0.8	0.590 [14.99]	0.014 [0.361]
IHB-2	2200	± 10	1.540	0.8	0.590 [14.99]	0.014 [0.361]
IHB-3	1.0	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	1.2	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	1.5	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	1.8	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	2.2	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	2.7	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	3.3	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	3.9	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	4.7	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	5.6	± 20	0.003	20.3	0.790 [20.07]	0.072 [1.83]
IHB-3	6.8	± 20	0.004	17.6	0.790 [20.07]	0.072 [1.83]
IHB-3	8.2	± 20	0.004	17.6	0.790 [20.07]	0.072 [1.83]
IHB-3	10	± 10	0.006	14.4	0.770 [19.56]	0.064 [1.63]
IHB-3	12	± 10	0.008	12.4	0.750 [19.05]	0.057 [1.45]
IHB-3	15	± 10	0.009	11.7	0.750 [19.05]	0.057 [1.45]

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (A)	LEAD "E" SPACING	MAXIMUM LEAD "F" DIAMETER
IHB-3	18	± 10	0.010	11.1	0.750 [19.05]	0.057 [1.45]
IHB-3	22	± 10	0.011	10.6	0.750 [19.05]	0.057 [1.45]
IHB-3	27	± 10	0.012	10.2	0.800 [20.32]	0.057 [1.45]
IHB-3	33	± 10	0.017	8.5	0.780 [19.81]	0.051 [1.29]
IHB-3	39	± 10	0.022	7.5	0.780 [19.81]	0.051 [1.29]
IHB-3	47	± 10	0.024	7.2	0.760 [19.30]	0.045 [1.15]
IHB-3	56	± 10	0.026	6.9	0.760 [19.30]	0.045 [1.15]
IHB-3	68	± 10	0.029	6.5	0.760 [19.30]	0.045 [1.15]
IHB-3	82	± 10	0.032	6.2	0.760 [19.30]	0.045 [1.150]
IHB-3	100	± 10	0.034	6.0	0.760 [19.30]	0.045 [1.150]
IHB-3	120	± 10	0.046	5.2	0.740 [18.80]	0.040 [1.020]
IHB-3	150	± 10	0.064	4.4	0.720 [18.29]	0.036 [0.912]
IHB-3	180	± 10	0.072	4.1	0.720 [18.29]	0.036 [0.912]
IHB-3	220	± 10	0.080	3.9	0.790 [20.07]	0.036 [0.912]
IHB-3	270	± 10	0.110	3.4	0.770 [19.56]	0.032 [0.812]
IHB-3	330	± 10	0.122	3.2	0.770 [19.56]	0.032 [0.812]
IHB-3	390	± 10	0.169	2.7	0.740 [18.80]	0.028 [0.723]
IHB-3	470	± 10	0.187	2.6	0.740 [18.80]	0.028 [0.723]
IHB-3	560	± 10	0.205	2.5	0.740 [18.80]	0.028 [0.723]
IHB-3	680	± 10	0.256	2.2	0.725 [18.42]	0.025 [0.644]
IHB-3	820	± 10	0.288	2.1	0.725 [18.42]	0.025 [0.644]
IHB-3	1000	± 10	0.426	1.7	0.715 [18.16]	0.023 [0.573]
IHB-3	1200	± 10	0.462	1.6	0.760 [19.30]	0.023 [0.573]
IHB-3	1500	± 10	0.518	1.5	0.760 [19.30]	0.023 [0.573]
IHB-3	1800	± 10	0.705	1.3	0.740 [18.80]	0.020 [0.510]
IHB-3	2200	± 10	1.020	1.1	0.720 [18.29]	0.018 [0.455]
IHB-3	2700	± 10	1.140	1.0	0.720 [18.29]	0.018 [0.455]
IHB-3	3300	± 10	1.270	1.0	0.720 [18.29]	0.018 [0.455]
IHB-3	3900	± 10	1.670	0.9	0.700 [17.78]	0.016 [0.405]
IHB-3	4700	± 10	1.860	0.8	0.730 [18.54]	0.016 [0.405]
IHB-4	1.8	± 20	0.002	33.8	1.10 [27.94]	0.072 [1.83]
IHB-4	2.2	± 20	0.002	33.8	1.10 [27.94]	0.072 [1.83]
IHB-4	2.7	± 20	0.003	27.6	1.10 [27.94]	0.072 [1.83]
IHB-4	3.3	± 20	0.003	27.6	1.10 [27.94]	0.072 [1.83]
IHB-4	3.9	± 20	0.003	27.6	1.10 [27.94]	0.072 [1.83]
IHB-4	4.7	± 20	0.003	27.6	1.10 [27.94]	0.072 [1.83]
IHB-4	5.6	± 20	0.004	23.9	1.10 [27.94]	0.072 [1.83]
IHB-4	6.8	± 20	0.004	23.9	1.10 [27.94]	0.072 [1.83]
IHB-4	8.2	± 20	0.004	23.9	1.10 [27.94]	0.072 [1.83]
IHB-4	10	± 10	0.005	21.4	1.10 [27.94]	0.072 [1.83]
IHB-4	12	± 10	0.005	21.4	1.10 [27.94]	0.072 [1.83]
IHB-4	15	± 10	0.006	19.5	1.10 [27.94]	0.072 [1.83]
IHB-4	18	± 10	0.008	16.9	1.10 [27.94]	0.064 [1.63]
IHB-4	22	± 10	0.009	15.9	1.10 [27.94]	0.064 [1.63]
IHB-4	27	± 10	0.010	15.1	1.10 [27.94]	0.064 [1.63]
IHB-4	33	± 10	0.011	14.4	1.10 [27.94]	0.064 [1.63]
IHB-4	39	± 10	0.012	13.8	1.10 [27.94]	0.064 [1.63]
IHB-4	47	± 10	0.018	11.3	1.10 [27.94]	0.057 [1.45]
IHB-4	56	± 10	0.019	11.0	1.11 [28.19]	0.057 [1.45]
IHB-4	68	± 10	0.021	10.4	1.11 [28.19]	0.057 [1.45]
IHB-4	82	± 10	0.023	10.0	1.11 [28.19]	0.057 [1.45]
IHB-4	100	± 10	0.025	9.6	1.11 [28.19]	0.057 [1.45]
IHB-4	120	± 10	0.028	9.0	1.11 [28.19]	0.057 [1.45]
IHB-4	150	± 10	0.040	7.6	1.10 [27.94]	0.051 [1.29]
IHB-4	180	± 10	0.045	7.1	1.10 [27.94]	0.051 [1.29]
IHB-4	220	± 10	0.050	6.8	1.10 [27.94]	0.051 [1.29]
IHB-4	270	± 10	0.056	6.4	1.10 [27.94]	0.051 [1.29]
IHB-4	330	± 10	0.074	5.6	1.16 [29.46]	0.045 [1.15]
IHB-4	390	± 10	0.082	5.3	1.13 [28.70]	0.045 [1.15]
IHB-4	470	± 10	0.114	4.5	1.13 [28.70]	0.040 [1.02]
IHB-4	560	± 10	0.125	4.3	1.13 [28.70]	0.040 [1.02]
IHB-4	680	± 10	0.139	4.1	1.13 [28.70]	0.040 [1.02]
IHB-4	820	± 10	0.154	3.9	1.13 [28.70]	0.040 [1.02]
IHB-4	1000	± 10	0.216	3.3	1.10 [27.94]	0.036 [0.912]
IHB-4	1200	± 10	0.232	3.1	1.10 [27.94]	0.036 [0.912]
IHB-4	1500	± 10	0.324	2.7	1.14 [28.96]	0.032 [0.812]
IHB-4	1800	± 10	0.360	2.5	1.14 [28.96]	0.032 [0.812]
IHB-4	2200	± 10	0.494	2.2	1.11 [28.19]	0.028 [0.723]
IHB-4	2700	± 10	0.555	2.0	1.11 [28.19]	0.028 [0.723]
IHB-4	3300	± 10	0.773	1.7	1.09 [27.69]	0.025 [0.644]

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (A)	LEAD "E" SPACING	MAXIMUM LEAD "F" DIAMETER
IHB-4	3900	± 10	0.845	1.6	1.09 [27.69]	0.025 [0.644]
IHB-4	4700	± 10	1.140	1.4	1.07 [27.18]	0.023 [0.573]
IHB-4	5600	± 10	1.600	1.2	1.05 [26.67]	0.020 [0.510]
IHB-4	6800	± 10	1.760	1.1	1.05 [26.67]	0.020 [0.510]
IHB-4	8200	± 10	1.950	1.1	1.09 [27.69]	0.020 [0.510]
IHB-4	10 000	± 10	2.760	0.9	1.07 [27.18]	0.018 [0.455]
IHB-4	12 000	± 10	3.040	0.9	1.07 [27.18]	0.018 [0.455]
IHB-4	15 000	± 10	3.390	0.8	1.07 [27.18]	0.018 [0.455]
IHB-5	1.8	± 20	0.002	36.2	1.13 [28.70]	0.081 [2.05]
IHB-5	2.2	± 20	0.002	36.2	1.13 [28.70]	0.081 [2.05]
IHB-5	2.7	± 20	0.002	36.2	1.13 [28.70]	0.081 [2.05]
IHB-5	3.3	± 20	0.002	36.2	1.13 [28.70]	0.081 [2.05]
IHB-5	3.9	± 20	0.003	29.5	1.13 [28.70]	0.081 [2.05]
IHB-5	4.7	± 20	0.003	29.5	1.13 [28.70]	0.081 [2.05]
IHB-5	5.6	± 20	0.003	29.5	1.13 [28.70]	0.081 [2.05]
IHB-5	6.8	± 20	0.003	29.5	1.13 [28.70]	0.081 [2.05]
IHB-5	8.2	± 20	0.003	29.5	1.13 [28.70]	0.081 [2.05]
IHB-5	10	± 10	0.004	25.6	1.13 [28.70]	0.081 [2.05]
IHB-5	12	± 10	0.004	25.6	1.13 [28.70]	0.081 [2.05]
IHB-5	15	± 10	0.005	22.9	1.13 [28.70]	0.081 [2.05]
IHB-5	18	± 10	0.007	19.3	1.10 [27.94]	0.072 [1.83]
IHB-5	22	± 10	0.007	19.3	1.10 [27.94]	0.072 [1.83]
IHB-5	27	± 10	0.008	18.1	1.10 [27.94]	0.072 [1.83]
IHB-5	33	± 10	0.009	17.0	1.10 [27.94]	0.072 [1.83]
IHB-5	39	± 10	0.010	16.2	1.10 [27.94]	0.072 [1.83]
IHB-5	47	± 10	0.011	15.4	1.10 [27.94]	0.072 [1.83]
IHB-5	56	± 10	0.013	14.2	1.10 [27.94]	0.072 [1.83]
IHB-5	68	± 10	0.015	13.2	1.10 [27.94]	0.072 [1.83]
IHB-5	82	± 10	0.017	12.4	1.10 [27.94]	0.072 [1.83]
IHB-5	100	± 10	0.018	12.1	1.10 [27.94]	0.072 [1.83]
IHB-5	120	± 10	0.022	10.9	1.08 [27.43]	0.064 [1.63]
IHB-5	150	± 10	0.025	10.2	1.08 [27.43]	0.064 [1.63]
IHB-5	180	± 10	0.035	8.6	1.12 [28.45]	0.057 [1.45]
IHB-5	220	± 10	0.040	8.1	1.12 [28.45]	0.057 [1.45]
IHB-5	270	± 10	0.044	7.7	1.12 [28.45]	0.057 [1.45]
IHB-5	330	± 10	0.049	7.3	1.12 [28.45]	0.057 [1.45]
IHB-5	390	± 10	0.070	6.1	1.09 [27.69]	0.051 [1.29]
IHB-5	470	± 10	0.078	5.8	1.09 [27.69]	0.051 [1.29]
IHB-5	560	± 10	0.105	5.0	1.07 [27.18]	0.045 [1.15]
IHB-5	680	± 10	0.115	4.8	1.07 [27.18]	0.045 [1.15]
IHB-5	820	± 10	0.127	4.5	1.07 [27.18]	0.045 [1.15]
IHB-5	1000	± 10	0.176	3.9	1.05 [26.67]	0.040 [1.02]
IHB-5	1200	± 10	0.195	3.7	1.05 [26.67]	0.040 [1.02]
IHB-5	1500	± 10	0.274	3.1	1.03 [26.16]	0.036 [0.912]
IHB-5	1800	± 10	0.302	2.9	1.10 [27.94]	0.036 [0.912]
IHB-5	2200	± 10	0.338	2.8	1.10 [27.94]	0.036 [0.912]
IHB-5	2700	± 10	0.459	2.4	1.08 [27.43]	0.032 [0.812]
IHB-5	3300	± 10	0.642	2.0	1.06 [26.92]	0.028 [0.723]
IHB-5	3900	± 10	0.699	1.9	1.06 [26.92]	0.028 [0.723]
IHB-5	4700	± 10	0.775	1.8	1.06 [26.92]	0.028 [0.723]
IHB-5	5600	± 10	0.843	1.8	1.06 [26.92]	0.028 [0.723]
IHB-5	6800	± 10	1.150	1.5	1.04 [26.42]	0.025 [0.644]
IHB-5	8200	± 10	1.260	1.4	1.09 [27.69]	0.025 [0.644]
IHB-5	10 000	± 10	1.740	1.2	1.07 [27.18]	0.023 [0.573]
IHB-5	12 000	± 10	1.920	1.2	1.07 [27.18]	0.023 [0.573]
IHB-5	15 000	± 10	2.170	1.1	1.07 [27.18]	0.023 [0.573]
IHB-6	4.7	± 20	0.002	43.5	1.43 [36.32]	0.102 [2.59]
IHB-6	5.6	± 20	0.002	43.5	1.43 [36.32]	0.102 [2.59]
IHB-6	6.8	± 20	0.003	35.5	1.43 [36.32]	0.102 [2.59]
IHB-6	8.2	± 20	0.003	35.5	1.43 [36.32]	0.102 [2.59]
IHB-6	10	± 10	0.003	35.5	1.43 [36.32]	0.102 [2.59]
IHB-6	12	± 10	0.004	30.7	1.43 [36.32]	0.102 [2.59]
IHB-6	15	± 10	0.004	30.7	1.43 [36.32]	0.102 [2.59]
IHB-6	18	± 10	0.005	27.5	1.43 [36.32]	0.102 [2.59]
IHB-6	22	± 10	0.005	27.5	1.43 [36.32]	0.102 [2.59]
IHB-6	27	± 10	0.006	25.1	1.43 [36.32]	0.102 [2.59]
IHB-6	33	± 10	0.006	25.1	1.43 [36.32]	0.102 [2.59]
IHB-6	39	± 10	0.006	25.1	1.43 [36.32]	0.102 [2.59]
IHB-6	47	± 10	0.008	21.7	1.53 [38.86]	0.102 [2.59]
IHB-6	56	± 10	0.009	20.5	1.53 [38.86]	0.102 [2.59]

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (A)	LEAD "E" SPACING	MAXIMUM LEAD "F" DIAMETER
IHB-6	68	± 10	0.009	20.5	1.53 [38.86]	0.102 [2.59]
IHB-6	82	± 10	0.010	19.4	1.53 [38.86]	0.102 [2.59]
IHB-6	100	± 10	0.014	16.4	1.45 [36.83]	0.081 [2.05]
IHB-6	120	± 10	0.015	15.9	1.45 [36.83]	0.081 [2.05]
IHB-6	150	± 10	0.023	12.8	1.41 [35.81]	0.072 [1.83]
IHB-6	180	± 10	0.025	12.3	1.41 [35.81]	0.072 [1.83]
IHB-6	220	± 10	0.028	11.6	1.41 [35.81]	0.072 [1.83]
IHB-6	270	± 10	0.030	11.2	1.41 [35.81]	0.072 [1.83]
IHB-6	330	± 10	0.040	9.7	1.38 [35.05]	0.064 [1.63]
IHB-6	390	± 10	0.055	8.3	1.35 [34.29]	0.057 [1.45]
IHB-6	470	± 10	0.061	7.9	1.35 [34.29]	0.057 [1.45]
IHB-6	560	± 10	0.068	7.5	1.35 [34.29]	0.057 [1.45]
IHB-6	680	± 10	0.094	6.3	1.33 [33.78]	0.051 [1.29]
IHB-6	820	± 10	0.104	6.0	1.33 [33.78]	0.051 [1.29]
IHB-6	1000	± 10	0.143	5.1	1.31 [33.27]	0.045 [1.15]
IHB-6	1200	± 10	0.156	4.9	1.40 [35.56]	0.045 [1.15]
IHB-6	1500	± 10	0.219	4.2	1.37 [34.80]	0.040 [1.02]
IHB-6	1800	± 10	0.241	4.0	1.37 [34.80]	0.040 [1.02]
IHB-6	2200	± 10	0.270	3.7	1.37 [34.80]	0.040 [1.02]
IHB-6	2700	± 10	0.364	3.2	1.34 [34.04]	0.036 [0.912]
IHB-6	3300	± 10	0.498	2.8	1.32 [33.53]	0.032 [0.812]
IHB-6	3900	± 10	0.548	2.6	1.32 [33.53]	0.032 [0.812]
IHB-6	4700	± 10	0.608	2.5	1.32 [33.53]	0.032 [0.812]
IHB-6	5600	± 10	0.671	2.4	1.38 [35.05]	0.032 [0.812]
IHB-6	6800	± 10	0.750	2.2	1.38 [35.05]	0.032 [0.812]
IHB-6	8200	± 10	1.030	1.9	1.35 [34.29]	0.028 [0.723]
IHB-6	10 000	± 10	1.160	1.8	1.35 [34.29]	0.028 [0.723]
IHB-6	12 000	± 10	1.540	1.6	1.33 [33.78]	0.025 [0.644]
IHB-6	15 000	± 10	1.750	1.5	1.33 [33.78]	0.025 [0.644]
IHB-6	18 000	± 10	1.940	1.4	1.38 [35.05]	0.025 [0.644]
IHB-6	22 000	± 10	2.740	1.2	1.36 [34.54]	0.023 [0.573]
IHB-6	27 000	± 10	3.710	1.0	1.33 [33.78]	0.020 [0.510]
IHB-6	33 000	± 10	4.160	1.0	1.33 [33.78]	0.020 [0.510]
IHB-6	39 000	± 10	5.550	0.8	1.31 [33.27]	0.018 [0.455]
IHB-6	47 000	± 10	6.190	0.8	1.34 [34.04]	0.018 [0.455]

MARKING

- Model
- Value
- Date code

ORDERING INFORMATION

IHB-1	10 µH	± 10 %	EB	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	H	B	1	E	B	1	0	0	K
MODEL				PACKAGE CODE		INDUCTANCE VALUE			INDUCTANCE TOLERANCE

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Vishay”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.