

## Filter Inductors, High Current, Radial Leaded



### 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)

### 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](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT  
HALOGEN  
**FREE**

### 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  $\pm 0.035$   
 (2) F varies between components, see individual model specifications for details

| STANDARD ELECTRICAL SPECIFICATIONS |                          |          |                       |                      |                  |                           |
|------------------------------------|--------------------------|----------|-----------------------|----------------------|------------------|---------------------------|
| MODEL                              | IND. AT 1 kHz ( $\mu$ H) | TOL. (%) | DCR MAX. ( $\Omega$ ) | RATED DC CURRENT (A) | LEAD "E" SPACING | MAXIMUM LEAD "F" DIAMETER |
| IHB-1                              | 1.0                      | $\pm 20$ | 0.003                 | 14.9                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 1.2                      | $\pm 20$ | 0.003                 | 14.9                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 1.5                      | $\pm 20$ | 0.004                 | 12.9                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 1.8                      | $\pm 20$ | 0.004                 | 12.9                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 2.2                      | $\pm 20$ | 0.005                 | 11.6                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 2.7                      | $\pm 20$ | 0.005                 | 11.6                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 3.3                      | $\pm 20$ | 0.005                 | 11.6                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 3.9                      | $\pm 20$ | 0.006                 | 10.6                 | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 4.7                      | $\pm 20$ | 0.007                 | 9.8                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 5.6                      | $\pm 20$ | 0.007                 | 9.8                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 6.8                      | $\pm 20$ | 0.008                 | 9.2                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 8.2                      | $\pm 20$ | 0.009                 | 8.6                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 10                       | $\pm 10$ | 0.010                 | 8.2                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 12                       | $\pm 10$ | 0.011                 | 7.8                  | 0.450 [11.43]    | 0.045 [1.15]              |
| IHB-1                              | 15                       | $\pm 10$ | 0.015                 | 6.7                  | 0.450 [11.43]    | 0.040 [1.02]              |
| IHB-1                              | 18                       | $\pm 10$ | 0.016                 | 6.5                  | 0.450 [11.43]    | 0.040 [1.02]              |
| IHB-1                              | 22                       | $\pm 10$ | 0.020                 | 5.8                  | 0.450 [11.43]    | 0.040 [1.02]              |
| IHB-1                              | 27                       | $\pm 10$ | 0.030                 | 4.7                  | 0.450 [11.43]    | 0.032 [0.812]             |
| IHB-1                              | 33                       | $\pm 10$ | 0.040                 | 4.1                  | 0.475 [12.07]    | 0.028 [0.723]             |
| IHB-1                              | 39                       | $\pm 10$ | 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 |
| MODEL                |   |   |   |
| E                    | B |   |   |
| PACKAGE CODE         |   |   |   |
| 1                    | 0 | 0 |   |
| INDUCTANCE VALUE     |   |   |   |
|                      |   |   | K |
| INDUCTANCE TOLERANCE |   |   |   |



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