

# HHB Coils

## Hi $\mu$ and Low Core loss Type

[RoHS Compliant]

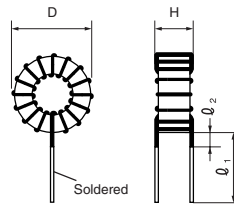


- <Features>
- Permeability: 150
  - High permeability realizes compact volume and small footprint.(10 to 50% less volume compared with conventional SN coil series.)
  - Low core loss

Model	Rated current AC(A)	Inductance ( $\mu$ H) min.	DC resistance (m $\Omega$ ) max.	Temperature rise(K) max.	Dimensions D×H (mm) max.	$\phi_1$ (mm)	$\phi_2$ (mm) max.	Wire size (mm $\phi$ )	Mounting pitch for reference (mm)	Weight approx. (g)
HHB5-0R45A115V	2	115	100	40	13.5×9.5	10±2	1.5	0.45	7	4
HHB8-0R7A100V	3.5	100	70	45	17×10	10±2	1.5	0.7	8	7
HHB10-0R7A550V	3	550	145	45	24×14	10±2	1.5	0.7	10	17
HHB10-0R8A170V	3	170	60	30	23×13	10±2	1.5	0.8	9	12
HHB12-1R2A170V	8	170	40	55	27×14	10±2	1.5	1.2	10.5	22

- Operating temperature range(°C): -25 to T (T=120-temperature rise)
- Wire type: 1 UEW or 1 PEW
- Inductance measurement condition: at 100kHz, 1mA, KC547
- Thermal class: E (120°C)
- Values of mounting pitch listed above are for reference only. The actual pitch may differ.

### Shape and Dimensions



\*Same type of shape as SN series are available.(Horizontal type,with base and etc) [mm]

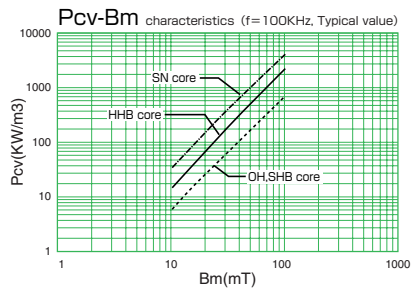
### Numbering System

HHB5 - 0R5A 70 V

① ② ③ ④

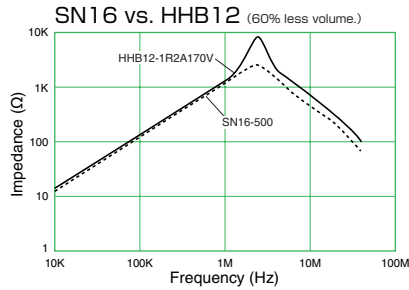
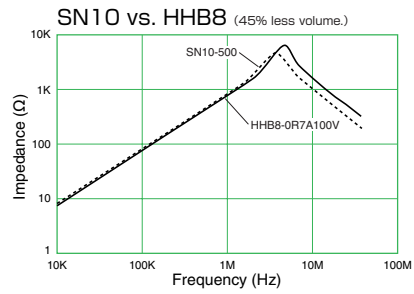
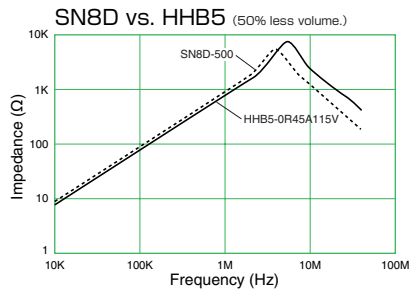
- ① Core size
- ② Wire size
- ③ Inductance
- ④ shape

### Core loss comparison data



- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact NEC TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
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Impedance vs. Frequency

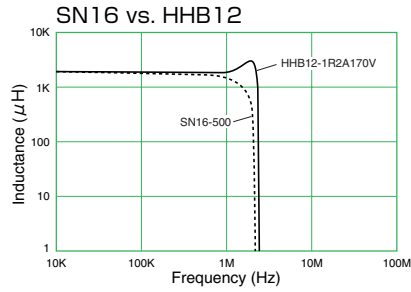
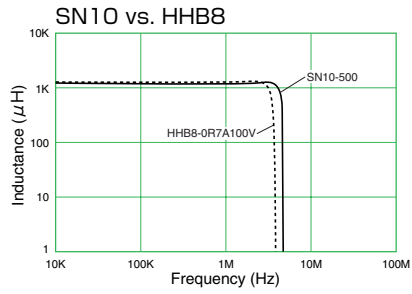
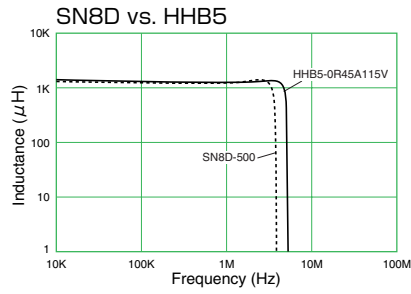


※Comparison of the volume stated in the graph is calculated from guaranteed values.



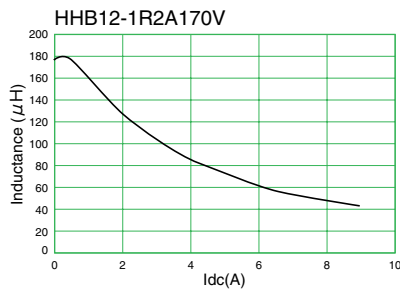
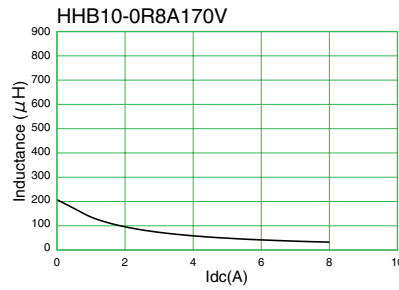
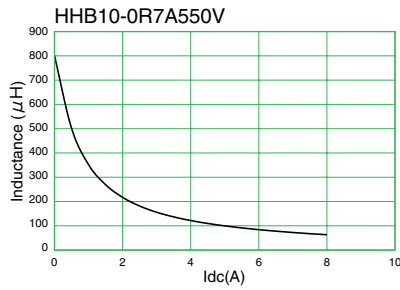
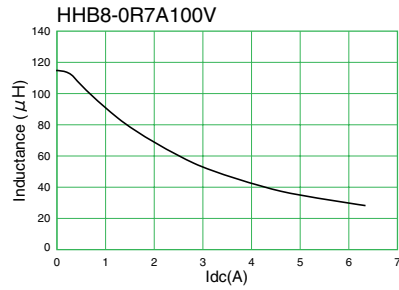
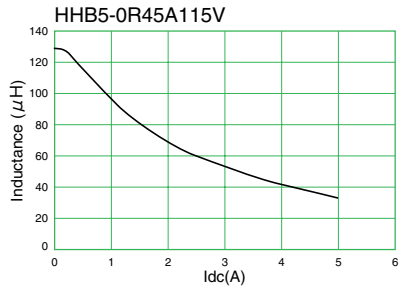
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Inductance Characteristics



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DC-superposed Characteristics



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