

HHB Coils

Hi μ and Low Core loss Type

[RoHS Compliant]

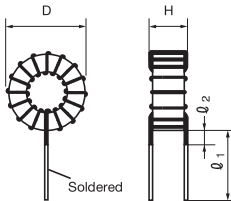


- <Features>
- Permeability: 150
 - High permeability realizes compact volume and small footprint.(10 to 50% less volume compared with conventional SN coil series.)
 - Low core loss

Model	Rated current AC (A)	Inductance (μ H) min.	DC resistance (m Ω) max.	Temperature rise (K) max.	Dimensions D \times H (mm) max.	ϕ_1 (mm)	ϕ_2 (mm) max.	Wire size (mm ϕ)	Mounting pitch for reference (mm)	Weight approx. (g)
HHB5-0R45A115V	2	115	100	40	13.5 \times 9.5	10 \pm 2	1.5	0.45	7	4
HHB8-0R7A100V	3.5	100	70	45	17 \times 10	10 \pm 2	1.5	0.7	8	7
HHB10-0R7A550V	3	550	145	45	24 \times 14	10 \pm 2	1.5	0.7	10	17
HHB10-0R8A170V	3	170	60	30	23 \times 13	10 \pm 2	1.5	0.80	9	12
HHB12-1R2A170V	8	170	40	55	27 \times 14	10 \pm 2	1.5	1.2	10.5	22

- Operating temperature range($^{\circ}$ 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 $^{\circ}$ 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]

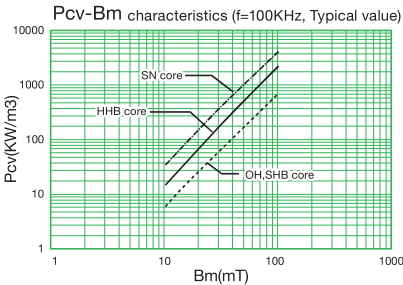
Numbering System

HHB5 - 0R5A 70 V

① ② ③ ④

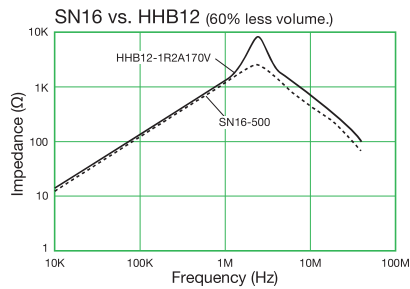
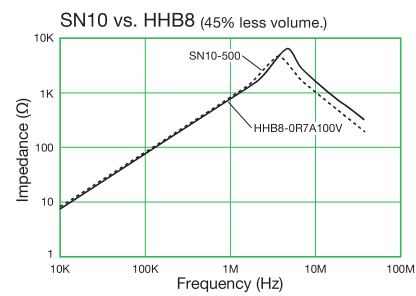
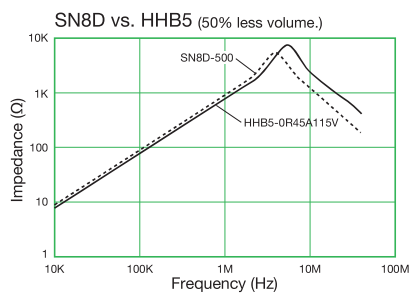
- ① Core size
- ② Wire size
- ③ Inductance
- ④ shape

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 TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

Impedance Characteristics

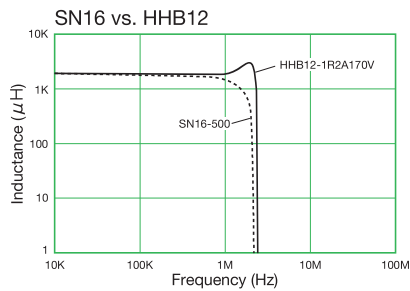
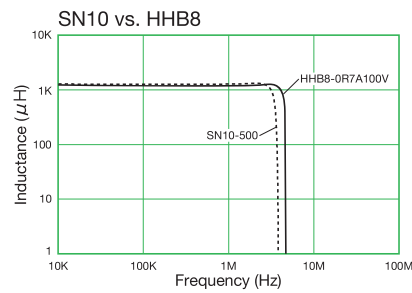
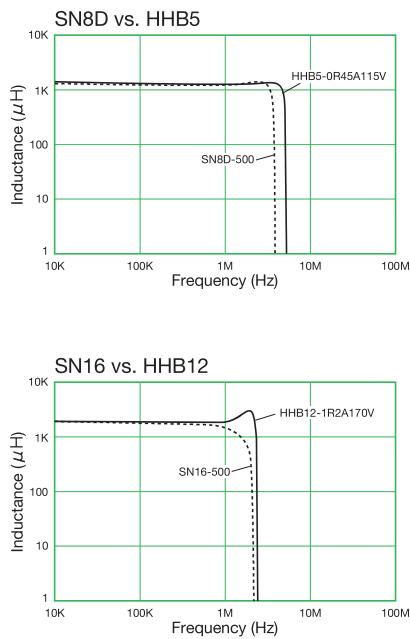


* Comparison of the volume stated in the graph is calculated from guaranteed values.



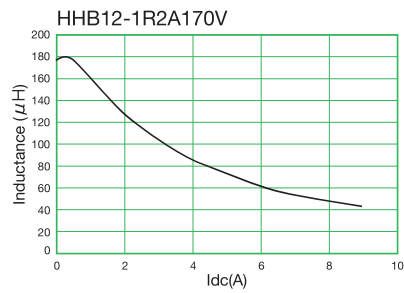
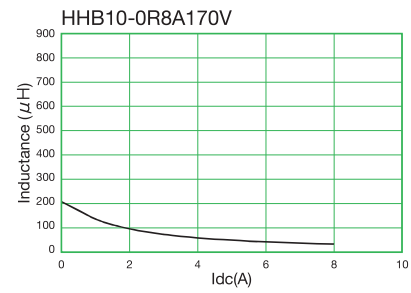
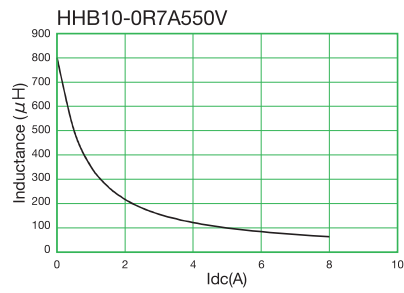
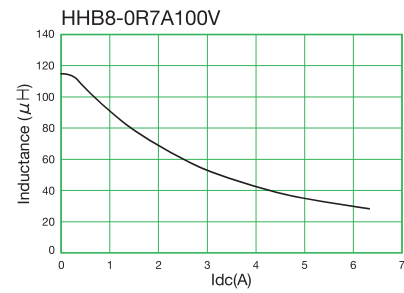
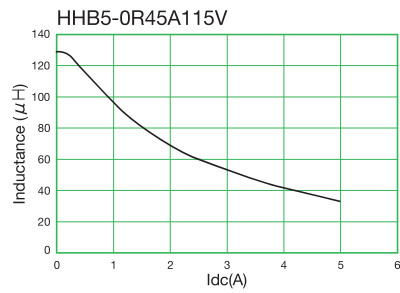
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Inductance Characteristics



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DC-Superposed Characteristics



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