

タクロンHKコイル TAKRON HK COIL

Cコイルシリーズ C-COIL SERIES

—高品質・機械巻きチョークコイル—

—High quality, Machine wound coil—



特長 FEATURES

- | | |
|----------------------|--|
| (1) 大容量ながら大量生産向けの構造。 | (1) Good mass-productiveness by machine wound. |
| (2) 優れた重畳特性。 | (2) Excellent DC bias characteristics. |
| (3) 低ロス材を採用し高効率。 | (3) High efficiency by low loss material. |
| (4) 2巻線の使い分けが可能。 | (4) Two way option by connecting. |
| (5) 基板への搭載性を改善。 | (5) Improved stability on PCB. |

用途 APPLICATIONS

- | | |
|------------------|------------------------------------|
| (1) 出力平滑用チョークコイル | (1) Output choke |
| (2) PFC用チョークコイル | (2) Active power factor correction |
| (3) ACリアクトル | (3) AC reactor |

品名の構成 PART NUMBER DESIGNATIONS

HK-26C36A 130-151 0 AH

① ② ③ ④ ⑤ ⑥

- ①コア材質/Core material
- ②コアサイズ/Core size
- ③線径/Wire diameter (1.3mmφ)
- ④インダクタンス/Inductance (150μH)
- ⑤製品管理No./Product control No.
- ⑥オプション/Option: A=ギャップ 0mm(None Gap)
B=ギャップ 1mm(Gap 1mm)
H=横型(Horizontal type)

標準品仕様(シリーズ) STANDARD SPECIFICATIONS

品名 Part No.	線径 Wire Diameter (mmφ)	定格電流 Rated Current Idc(A)	インダクタンス Inductance 10kHz, 1mA ±25%(μH)		直流抵抗 D.C.R ±10% (mΩ)	外形寸法 Dimensions max.(mm)			参考ピッチ Reference Pitch (mm)			重量 Weight (g)
			0(A)	Rated		D	H	W	a	b	c	
HK-26C36A130-1510A	1.30	8	150	120	15	37	40	24	14	6	15	76
HK-26C36A130-1210B			120	103					(14)	(6)	(16)	
HK-27C44A140-2310A	1.40	9	230	170	18	39	48	24	14	8	15	103
HK-27C44A140-1910B			190	155					(14)	(8)	(25)	
HK-27C44B140-3110A	1.40	9	310	220	21	39	48	27	14	8	20	126
HK-27C44B140-2510B			250	200					(14)	(8)	(15)	
HK-31C50A160-2810A	1.60	13	280	170	16	45	54	29	15	10	18	159
HK-31C50A160-2210B			220	170					(15)	(10)	(30)	
HK-31C50B180-3310A	1.80	17	330	170	14	46	54	34	17	8	25	220
HK-31C50B180-2710B			270	180					(17)	(8)	(29)	
HK-35C60A200-3710A	2.00	20	370	165	13	52	64	35	20	10	22	283
HK-35C60A200-2910B			290	180					(20)	(10)	(35)	
HK-39C67A220-4510A	2.20	25	450	170	12	58	71	38	20	10	26	400
HK-39C67A220-3610B			360	190					(21)	(10)	(40)	

※インダクタンスは右図の通り結線して測定した値です。 Inductance is measured with circuit as right.

※直流抵抗(DCR)は結線していない値です。(シリーズでは倍、パラレルでは半分になります。)

DC-Resistance value is single wire (Serial connection makes twice and parallel connection makes half.)

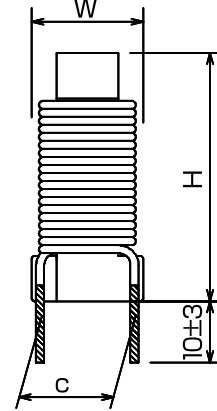
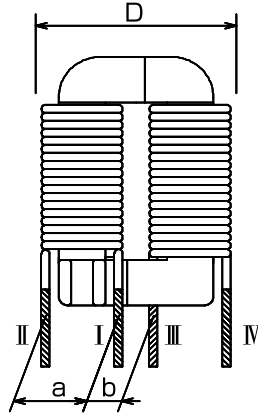
※取り付けピッチは基板設計時の参考値です。()内は横型(H)のピッチです。

Dimensions, a, b, c, are reference value. Value in () are for horizontal type.

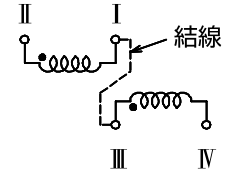
コアケース: PBT/Core case: PBT

使用電線: PEW/Wire: PEW

縦型/Vertical type
品名末尾：無し
/Last Part No. : Not H

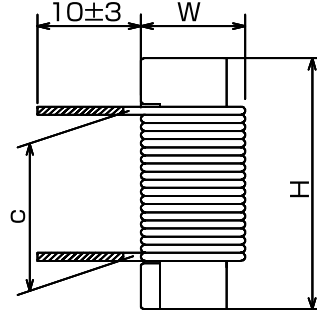
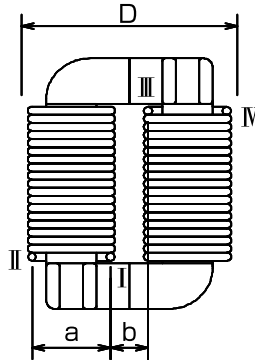


回路図 (結線方法)
Circuit Diagram(Connec-tion)
シリーズ/Serial Connection

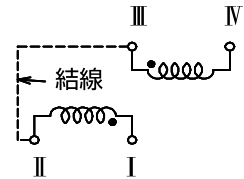


Bottom view

横型/Horizontal type
品名末尾：H
/Last Part No. : H



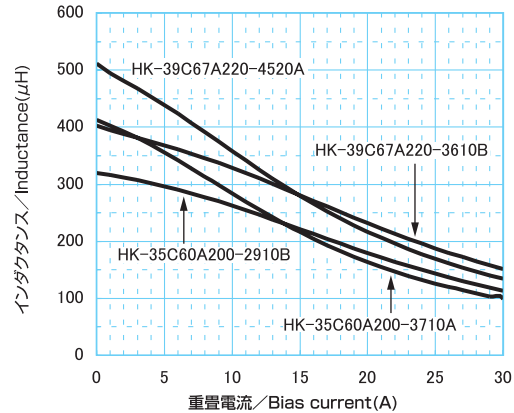
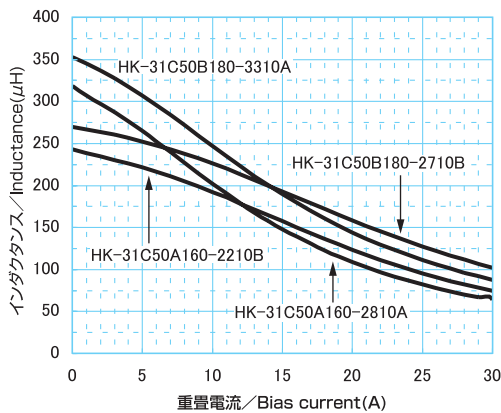
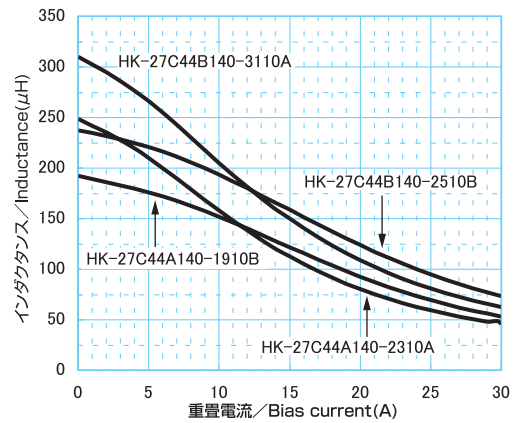
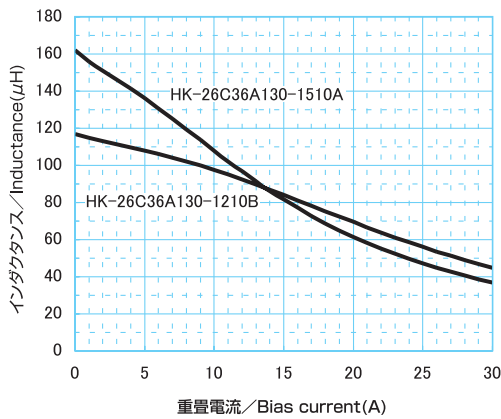
回路図 (結線方法)
Circuit Diagram(Connec-tion)
シリーズ/Serial Connection



Bottom view

※ご使用方法に応じた結線を基板上にて実施願います。Please connect wires on circuit board according to usage.

直流重畳特性 D.C. BIAS CHARACTERISTICS



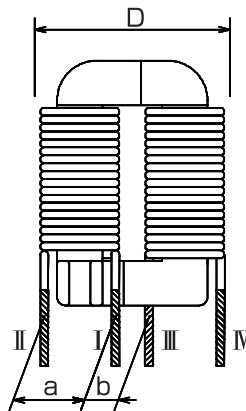
標準品仕様 (平行) STANDARD SPECIFICATIONS

TAKRON HK COIL

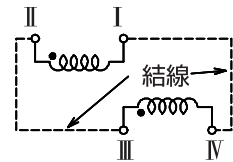
品名 Part No.	線型 Wire Diameter (mm φ)	定格 電流 Rated Current Idc(A)	インダクタンス Inductance 10kHz, 1mA ±25%(μH)		直流 抵抗 D.C.R ±10% (mΩ)	外形寸法 Dimensions max.(mm)			参考ピッチ Reference Pitch (mm)			重量 Weight (g)
			Idc=0	Rated		D	H	W	a	b	c	
HK-26C36A130-3702A	1.30	16	37	30	15	37	40	24	14	6	15	76
HK-26C36A130-3002B			30	26					(14)	(6)	(16)	
HK-27C44A140-5902A	1.40	18	59	43	18	39	48	24	14	8	15	103
HK-27C44A140-4702B			47	39					(14)	(8)	(25)	
HK-27C44B140-7802A	1.40	18	78	55	21	39	48	27	14	8	20	126
HK-27C44B140-6302B			63	52					(14)	(8)	(15)	
HK-31C50A160-7002A	1.60	26	70	42	16	45	54	29	15	10	18	159
HK-31C50A160-5602B			56	43					(15)	(10)	(30)	
HK-31C50B180-8502A	1.80	32	85	45	14	46	54	34	17	8	25	220
HK-31C50B180-6702B			67	47					(17)	(8)	(29)	
HK-35C60A200-9502A	2.00	40	95	41	13	52	64	35	20	10	22	283
HK-35C60A200-7502B			75	45					(20)	(10)	(35)	
HK-39C67A220-1112A	2.20	50	110	43	12	58	71	38	20	10	26	400
HK-39C67A220-9502B			95	47					(21)	(10)	(40)	

形状 SHAPES

縦型/Vertical type
品名末尾：無し
/Last Part No. : Not H

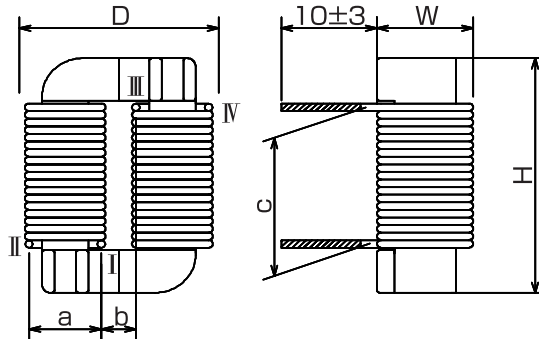


回路図 (結線方法)
Circuit Diagram(Connection)
平行/Parallel Connection

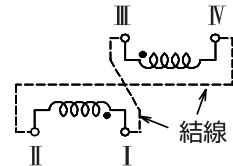


Bottom view

横型/Horizontal type
品名末尾：H
/Last Part No. : H



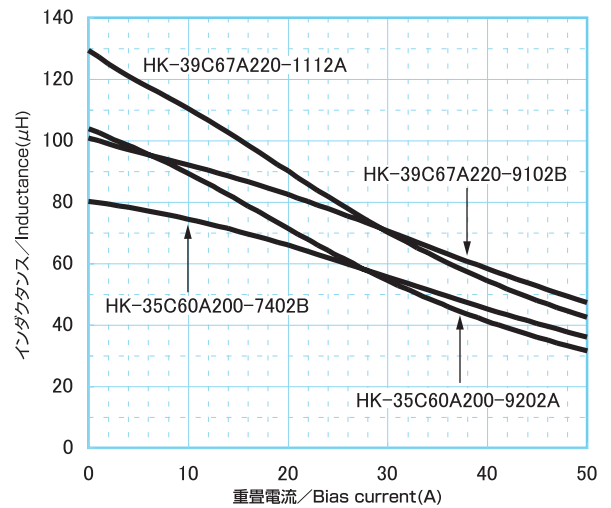
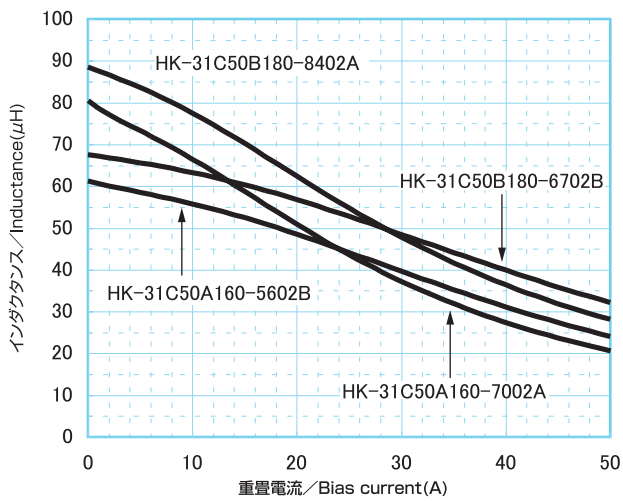
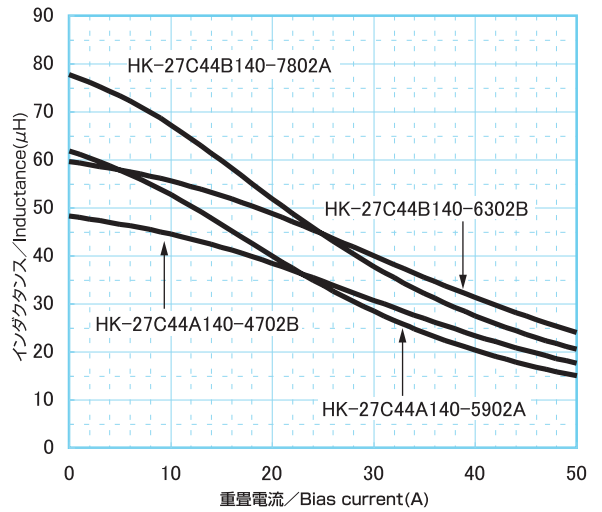
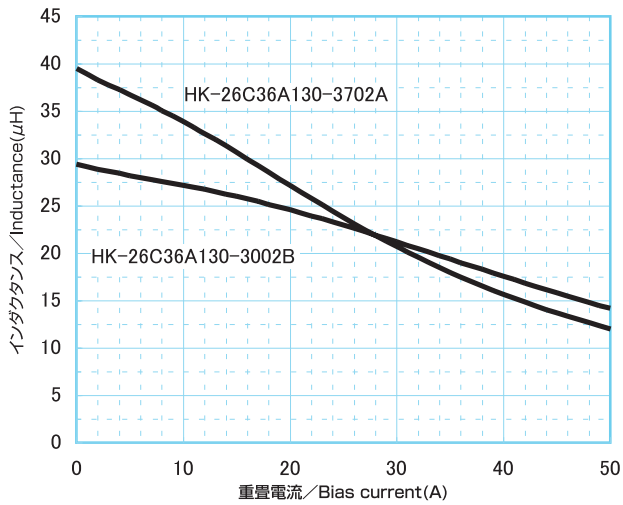
回路図 (結線方法)
Circuit Diagram(Connection)
平行/Parallel Connection



Bottom view

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直流重畳特性 D.C. BIAS CHARACTERISTICS



電気的特性 ELECTRICAL CHARACTERISTICS

絶縁耐圧/Withstand Voltage	AC500V 1minute	ライン-コア間/between line & core
絶縁抵抗/Insulation Resistance	DC500V 100MΩ 以上/Minimum 100MΩ at DC500V	
許容温度/Allowable Temperature	-40°C~+120°C	