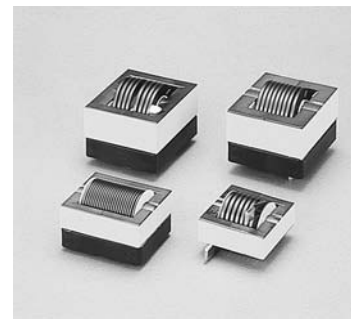


タクロンHKコイル TAKRON HK COIL

EER型シリーズ EER SERIES



特長 FEATURES

EER型シリーズと同様の特徴を有する上、中足が円柱であるため従来EE型コアでは困難であった大電流用銅板、平角線巻きが容易です。

Winding of copper plates or square wire for large current is easier than the winding on EE type. This is because of round center leg and keeping the same feature as EE type.

用途 APPLICATIONS

- (1) 多回路用チョークコイル
- (2) SW電源平滑用チョークコイル
- (3) 高調波対策アクティブフィルタ用チョークコイル
- (4) HEV用チョークコイル

- (1) Multiple circuit Choke Coils.
- (2) Output Choke Coils for High Frequency S.M.P.S.
- (3) Choke Coils for P.F.C. (Active Filters)
- (4) Choke Coils for Hybrid Electric Vehicle (HEV).

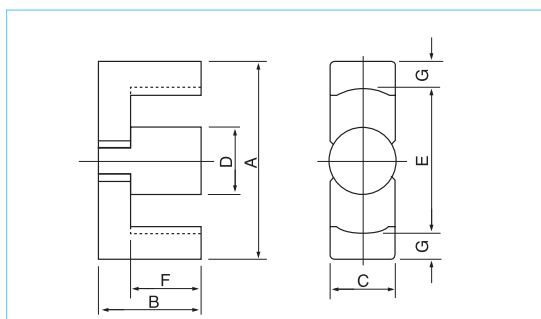
コア標準仕様 CORE SPECIFICATIONS

品名 Part No.	コア寸法/Dimensions(mm)						
	A	B	C	D	E	F	G
HK-25ER	25.5	9.2	7.5	7.5	19.8min.	6.2	2.9
HK-28ERL	28.0	17.0	11.4	9.9	21.1min.	12.5	3.4
HK-35ERL	35.0	20.7	11.4	11.4	25.4min.	14.7	3.4
HK-49ER	49.0	20.9	17.2	17.2	36.2min.	12.4	6.3

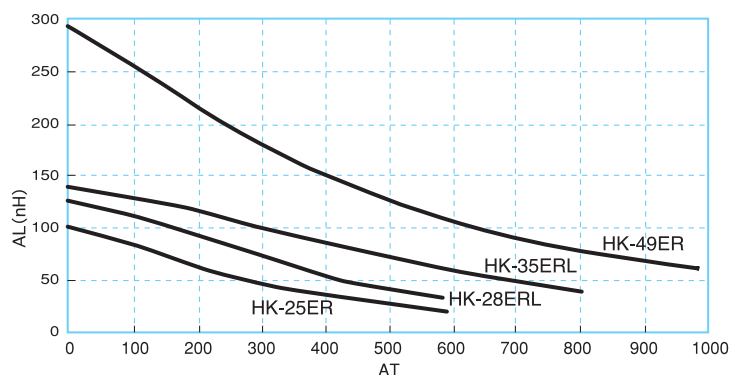
品名 Part No.	AL値(※1) AL Values nH/Turn	実効磁路長 Effective Magnetic Path Length le (cm)	実効断面積 Effective Cross Sectional Area Ae (cm ²)	実効体積 Effective Volume Ve (cm ³)	窓枠面積 Winding Area Acw (cm ²)	重量(組) Set Weight (g)	使用ボビン Applicable Bobbin (JIS Part Number)
HK-25ER	100	5.00	0.432	2.16	0.803	12	EER25.5B
HK-28ERL	120	7.83	0.847	6.63	1.491	34	EER28.5L
HK-35ERL	140	9.45	1.084	10.24	2.205	63	EER35L
HK-49ER	290	9.72	2.290	22.26	2.455	165	BEER49-1118CP

※1 測定周波数 100kHz ※1 Measured at 100kHz

形状 SHAPES



直流重畳特性 D.C. BIAS CHARACTERISTICS (AL-AT)



標準仕様 STANDARD SPECIFICATIONS

品名 Part No.	定格電流 Rated current I _{dc} (A)	インダクタンス/Inductance 代表値/Typical (μ H)		直流抵抗 D.C. Resistance max. (m Ω)	線径 Wire Diameter (mm)	形状 Shape
		I _{dc} =0A	定格電流 Rated Current			
HK-25EER060-7010	1.5	700	550	250.0	0.6 ϕ	fig.1
HK-25EER080-2010	3.0	200	140	80.0	0.8 ϕ	fig.1
HK-25EER070-9000	5.0	90	50	35.0	0.7 ϕ ×2P	fig.1
HK-28EERL080-1020	2.0	1,000	700	190.0	0.8 ϕ	fig.3
HK-28EERL065-4010	3.0	400	280	85.0	0.65 ϕ ×2P	fig.3
HK-28EERL080-1710	5.0	170	120	70.0	0.8 ϕ ×2P	fig.3
HK-28EERL2040-0900	30.0	9	5	2.0	2.0×4.0	fig.4
HK-35EERL080-2020	2.0	2,000	1,500	270.0	0.8 ϕ	fig.5
HK-35EERL065-1220	3.0	1,200	900	170.0	0.65 ϕ ×2P	fig.5
HK-35EERL080-5010	5.5	500	350	75.0	0.8 ϕ ×2P	fig.5
HK-35EERL1050-6000	20.0	60	35	6.0	1.0×5.0	fig.6-1
HK-35EERL1050-6000HR						fig.6-2
HK-35EERL2060-1700	60.0	17	5.5	2.0	2.0×6.0	fig.6-1
HK-35EERL2050-1700HR	50.0	17	6	2.5	2.0×5.0	fig.6-2
HK-49EER100-4020	3.0	4,000	2,200	240.0	1.0 ϕ	fig.7
HK-49EER100-8010	7.0	800	350	70.0	1.0 ϕ ×2P	fig.7
HK-49EER0860-1110	25.0	110	45	7.0	0.8×6.0	fig.8-1
HK-49EER0860-1110HR						fig.8-2
HK-49EER1060-8500	30.0	85	30	4.5	1.0×6.0	fig.8-1
HK-49EER1060-8500HR						fig.8-2
HK-49EER2060-1800	60.0	18	8	2.5	2.0×6.0	fig.8-1
HK-49EER2060-1800HR						fig.8-2

品名の構成 PART NUMBER DESIGNATIONS

HK-25EER 060 -701 0
HK-28EERL 2040-090 0

① ② ③ ④ ⑤

- ①コア材質/ Core material
- ②コアサイズ/ Core size
- ③使用線径/ Wire diameter (0.6mm ϕ)
平角線/ Rectangular wire : (t)2.0mm×(w)4.0mm
- ④インダクタンス/ Inductance (700 μ H)
(9 μ H)
- ⑤製品管理No./ Product control No.

電気的特性 ELECTRICAL CHARACTERISTICS

絶縁抵抗 Insulation Resistance	DC500V 100M Ω 以上 (コア~リード間) Min100M Ω at DC500V (between core~lead)
絶縁耐圧 Withstand Voltage	AC500V 1分間 (コア~リード間) 1 minute (between core~lead)
許容温度 Allowable Temperature	120 $^{\circ}$ C電線表面温度 Upper wire Surface Temp.
耐熱区分 Heat Resistance Class	120 $^{\circ}$ C (E種相当) E Class

※その他フルカスタマイズ可能です。
 ※Fully customized specification is available.

HK-25EERコイル/Coil

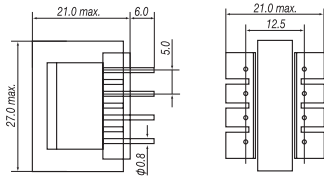


fig.1

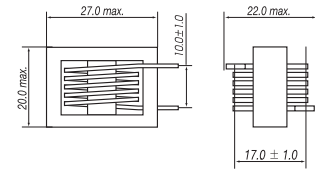


fig.2

HK-28EERLコイル/Coil

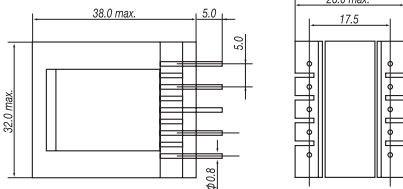


fig.3

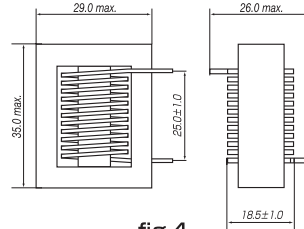


fig.4

HK-35EERLコイル/Coil

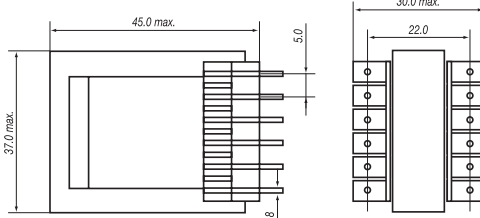


fig.5

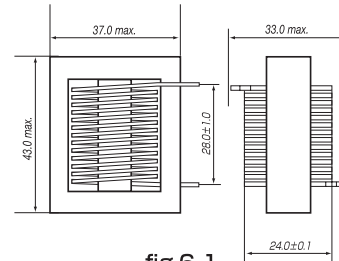


fig.6-1

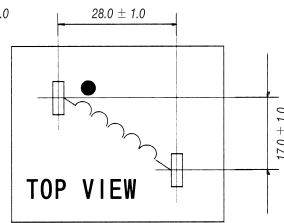
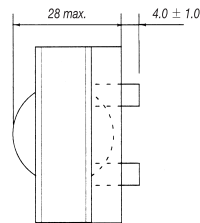
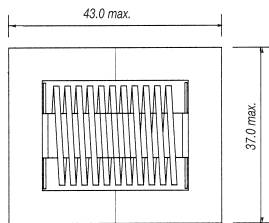


fig.6-2

HK-49EERコイル/Coil

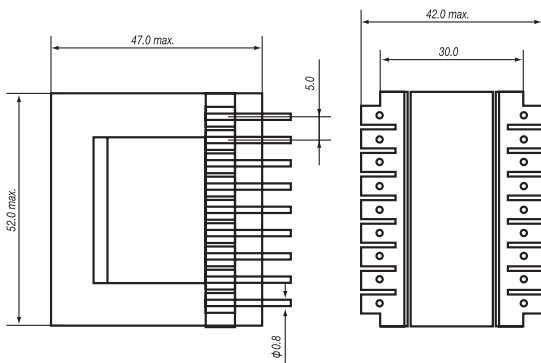


fig.7

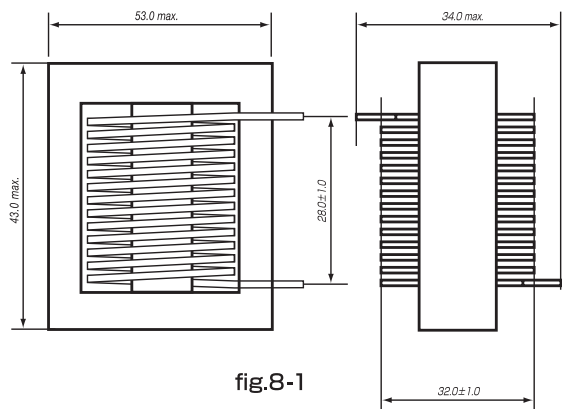


fig.8-1

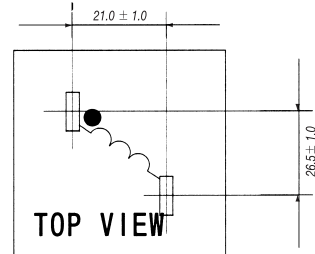
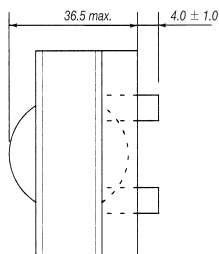
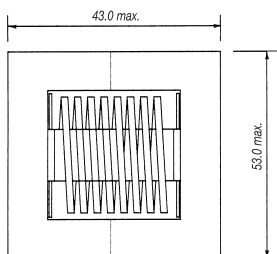
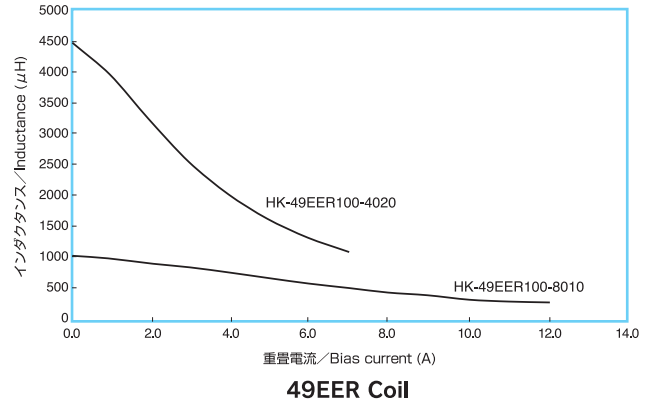
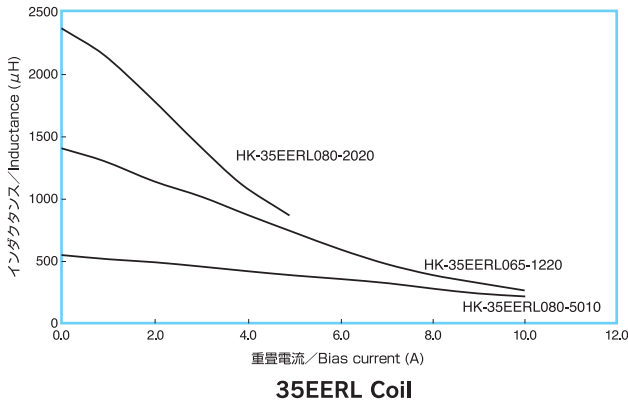
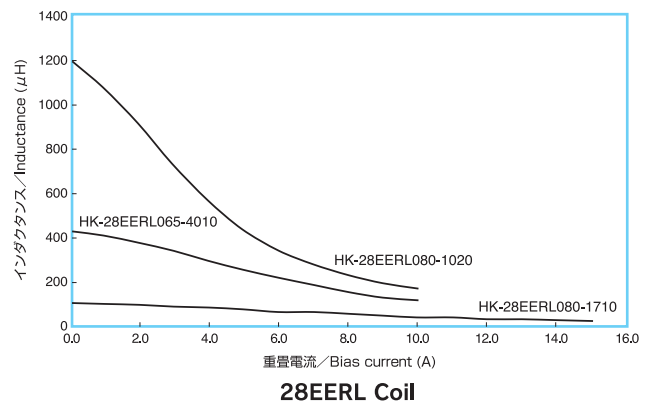
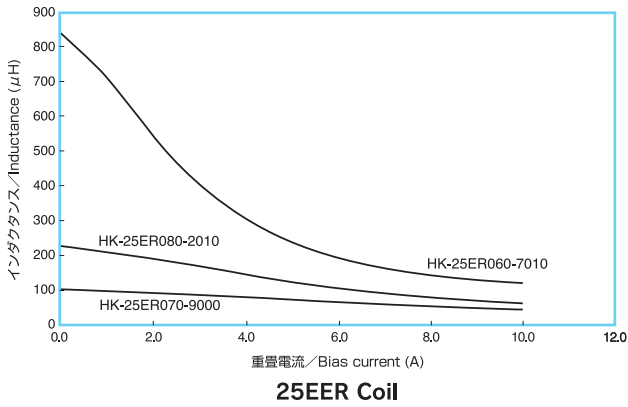


fig.8-2

■ ボビン巻きコイル / BOBBIN TYPE



■ 平角線使用コイル / RECTANGULAR WIRE TYPE

