

AHD Coils

平滑用 パーマロイダスト チョークコイル
Smoothing Permalloy dust choke coils



特長

- 良好な周波数特性を示し、高周波での鉄損が非常に少ない。
- フェライトコアに比べて、小型化が可能。
- 大電流に対する直流重畳特性が良好である。
- 温度に対するインダクタンスの特性に優れている。

用途

- スイッチング電源出力平滑用。
- 高調波対策アクティブフィルタ用。
- DC-DCコンバータ用。
- ノーマルモードラインフィルタ用。
- テレビ・オーディオ等のノイズ防止用。ほか

FEATURES

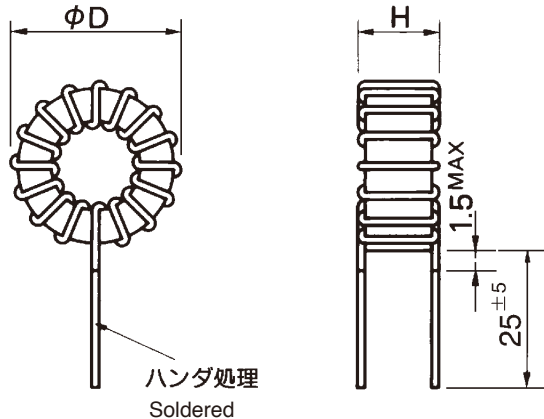
- Iron loss at high frequency is very little, demonstrating a good frequency characteristic.
- Miniaturization is possible as compared with ferrite cores.
- DC superimposing characteristic against large current is good.
- Exels in impedance characteristic against temperature.

APPLICATIONS

- For smoothing switching power supplies output.
- For active filter for harmonic suppressor.
- For DC-DC converter.
- For normal mode line filter.
- For noise prevention of TV, audio device etc.

外形寸法図 (mm)

DIMENSIONS (mm)



AHD COILS 標準仕様 Standard Specifications

カタログ品番 Name	定格電流 Rated current Idc (A)	インダクタンス Inductance (μH)		直流抵抗 D. C. R (mΩ) MAX	線径 Wire dia (φmm)	外形寸法 Dimensions D×H (mm) MAX	推奨台座 Recommended base
		Idc=0(A)	Idc=Rated				
AHD-01-0165	1	190	165	145	0.5	17 × 9.5	No.311
AHD-01-0450		530	450	280	0.5	21 × 11.5	No.227
AHD-01-0840		1000	840	410	0.5	26 × 13	No.274
AHD-02-0060	2	72	60	55	0.65	17 × 10	No.311
AHD-02-0190		240	190	100	0.7	22 × 12.5	No.227
AHD-02-0380		500	380	160	0.7	27 × 15	No.274
AHD-02-1000		1166	1000	270	0.7	33 × 22	No.275
AHD-03-0032	3	38	32	34	0.75	18 × 10	No.311
AHD-03-0110		150	110	65	0.8	22 × 12.5	No.227
AHD-03-0115		140	115	65	0.8	26 × 13	No.274
AHD-03-0210		260	210	90	0.8	27 × 15	No.274
AHD-03-0255		286	255	100	0.8	33 × 22	No.275
AHD-03-0320		390	320	125	0.8	33 × 18	No.217
AHD-03-0510		680	510	160	0.8	33 × 18	No.217
AHD-03-0800	1000	800	210	0.8	33 × 22	No.275	
AHD-05-0045	5	65	45	26	1.0	23 × 13	No.227
AHD-05-0065		79	65	35	1.0	27 × 15	No.274
AHD-05-0088		120	88	40	1.0	27 × 15	No.274
AHD-05-0155		178	155	50	1.0	33 × 22	No.275
AHD-05-0200		290	200	65	1.0	33 × 18	No.217
AHD-05-0255		390	255	85	1.0	34 × 18	No.217
AHD-05-0400		600	400	100	1.0	34 × 23	No.275
AHD-05-0500		690	500	100	1.1	40 × 27	No.275
AHD-05-0600		777	600	100	1.2	45 × 29	No.163
AHD-05-1200		2100	1200	170	1.2	52 × 30	No.265
AHD-05-1600		2800	1600	200	1.2	52 × 34	No.265

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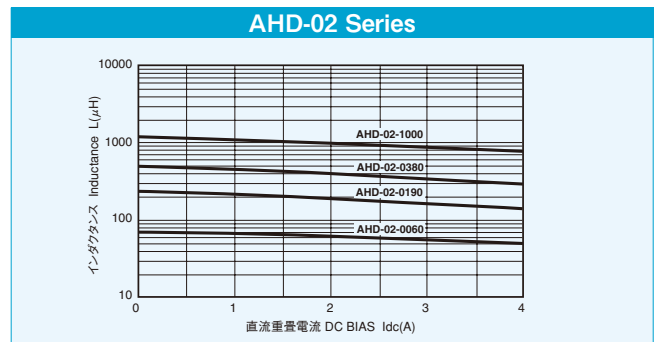
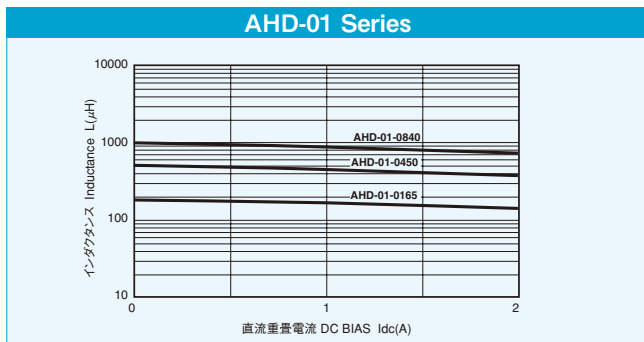
AHD COILS 標準仕様 Standard Specifications

カタログ品番 Name	定格電流 Rated current I _{dc} (A)	インダクタンス Inductance (μH)		直流抵抗 D. C. R (mΩ) MAX	線径 Wire dia (φmm)	外形寸法 Dimensions D×H (mm) MAX	推奨台座 Recommended base
		I _{dc} =0(A)	I _{dc} =Rated				
AHD-08-0038	8	49	38	18	0.85 × 2	27 × 15	No.274
AHD-08-0055		70	55	20	1.3	33 × 18	No.217
AHD-08-0084		120	84	26	1.3	34 × 18	No.217
AHD-08-0110		145	110	30	1.3	33 × 25	No.275
AHD-08-0125		180	125	35	1.3	34 × 25	No.275
AHD-08-0200		270	200	45	1.3	40 × 27	No.275
AHD-08-0300		420	300	50	1.4	45 × 29	No.163
AHD-08-0500		920	500	80	1.4	52 × 30	No.265
AHD-08-0700	1300	700	100	1.4	52 × 34	No.265	
AHD-10-0030	10	34	30	12	1.0 × 2	33 × 22	No.275
AHD-10-0036		52	36	17	0.9 × 2	27 × 15	No.274
AHD-10-0038		50	38	15	1.0 × 2	33 × 18	No.217
AHD-10-0064		95	64	22	1.0 × 2	34 × 18	No.217
AHD-10-0100		145	100	26	1.0 × 2	34 × 23	No.275
AHD-10-0150		220	150	35	1.0 × 2	40 × 27	No.275
AHD-10-0200		290	200	35	1.1 × 2	45 × 29	No.163
AHD-10-0300		530	300	50	1.1 × 2	52 × 30	No.265
AHD-10-0400	690	400	60	1.1 × 2	52 × 34	No.265	
AHD-15-0021	15	28	21	7.5	1.0 × 3	33 × 18	No.217
AHD-15-0032		42	32	9	1.0 × 3	33 × 25	No.275
AHD-15-0060		80	60	15	1.0 × 3	40 × 27	No.275
AHD-15-0100		150	100	20	1.0 × 3	45 × 29	No.163
AHD-15-0150		290	150	25	1.1 × 3	52 × 30	No.265
AHD-15-0200		370	200	30	1.1 × 3	52 × 34	No.265
AHD-20-0011	20	17	11.5	4.5	1.0 × 4	33 × 18	No.217
AHD-20-0018		24	18	5.5	1.0 × 4	33 × 25	No.275
AHD-20-0035		50	35	9	1.0 × 4	40 × 28	No.275
AHD-20-0060		95	60	13	1.0 × 4	45 × 30	No.163
AHD-20-0080		150	80	15	1.1 × 4	52 × 30	No.265
AHD-20-0100		180	100	16	1.1 × 4	52 × 34	No.265
AHD-25-0007	25	10	7.4	3	1.0 × 5	33 × 20	No.217
AHD-25-0011		15	11.5	3.5	1.0 × 5	33 × 25	No.275
AHD-25-0020		28	20	5	1.0 × 5	40 × 28	No.275
AHD-25-0035		54	35	8	1.0 × 5	45 × 30	No.163
AHD-25-0050		90	50	10	1.1 × 5	52 × 30	No.265
AHD-25-0070		130	70	13	1.1 × 5	52 × 34	No.265
AHD-30-0006	30	8	5.9	2.4	1.0 × 6	33 × 20	No.217
AHD-30-0009		13	9.4	3	1.0 × 6	33 × 25	No.275
AHD-30-0015		20	15	4	1.0 × 6	40 × 28	No.275
AHD-30-0024		35	24	5	1.0 × 6	45 × 30	No.163
AHD-30-0030		50	30	7	1.1 × 6	52 × 30	No.265
AHD-30-0040		70	40	8	1.1 × 6	52 × 34	No.265
AHD-40-0006	40	8	6	1.8	1.3 × 5	40 × 28	No.275
AHD-40-0012		18	12	3	1.3 × 5	45 × 30	No.163
AHD-40-0020		40	20	5	1.3 × 5	52 × 30	No.265
AHD-40-0025		45	25	5	1.3 × 5	52 × 34	No.265

- (1) インダクタンス測定条件:100kHz
- (2) 使用電線:1PEW
- (3) ケース難燃性:UL94V-0
- (4) インダクタンス公差:I_{dc}=定格時±25%、I_{dc}=0 (A)時は参考値
- (5) 台座をご使用になる場合は巻線の線径や本数を変更する場合がございますので予めご了承下さい。

- (1) Inductance measurement condition : 100kHz
- (2) Used wire : 1PEW
- (3) Case incombustibility : UL-94V-0
- (4) Inductance tolerance : I_{dc}=rated time ±25% I_{dc}=0 (A)is a reference value
- (5) Note that when using the base, the wire diameter and / or the number of wires may be changed in some cases.

AHD COILS 直流重畳特性(代表例) DC BIAS <Example>



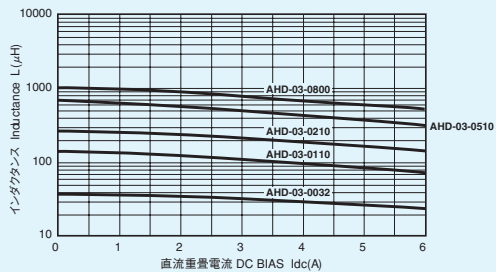
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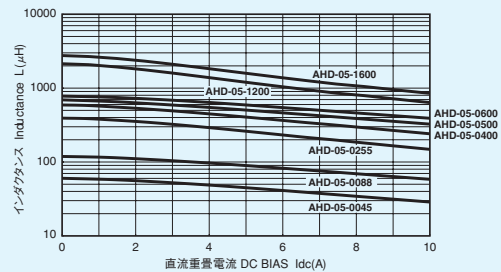


AHD COILS 直流重畳特性 (代表例) DC BIAS <Example>

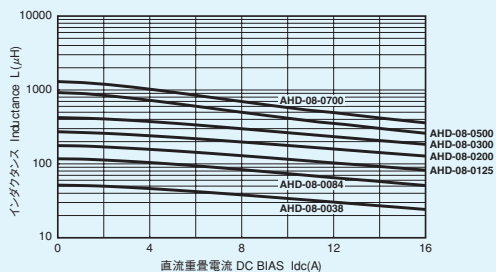
AHD-03 Series



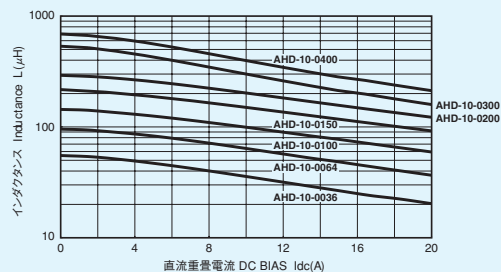
AHD-05 Series



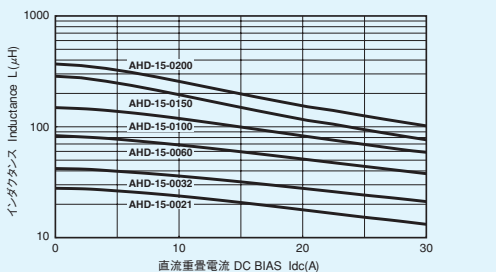
AHD-08 Series



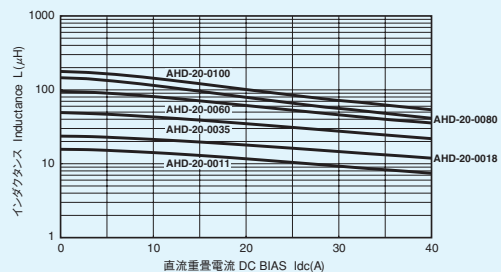
AHD-10 Series



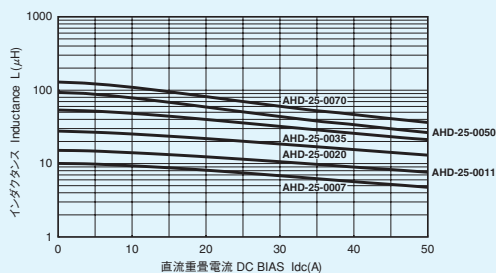
AHD-15 Series



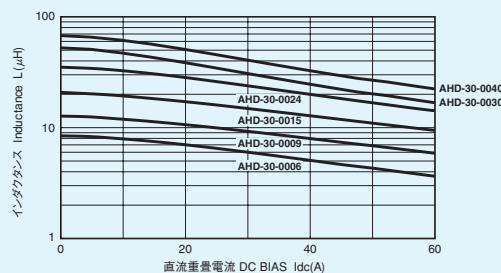
AHD-20 Series



AHD-25 Series



AHD-30 Series



AHD-40 Series

