

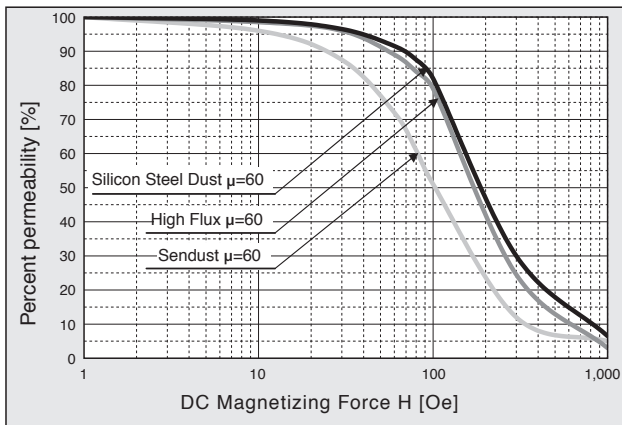
### ◆ MAJOR USES

- Output choke coils for Switching Mode Power Supply
- Choke coils for DC-DC converter
- Normal mode choke coils for noise control
- Choke coils for Power Factor Corrective circuit

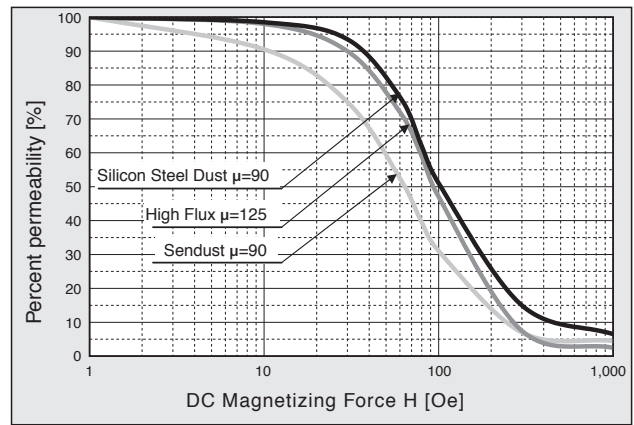
### ◆ FEATURES

- Excellent characteristics in frequency and temperature
- Miniaturization and excellent D.C. bias characteristics in comparison with ferrite choke coils by the feature of higher saturation magnetic flux density

### ◆ D.C. bias of Dust core (1)

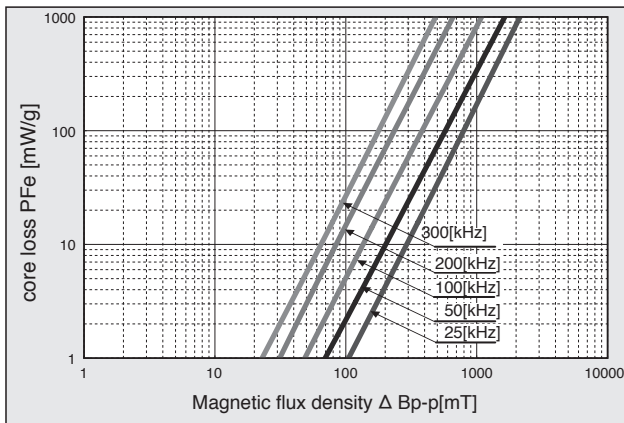


### ◆ D.C. bias of Dust core (2)



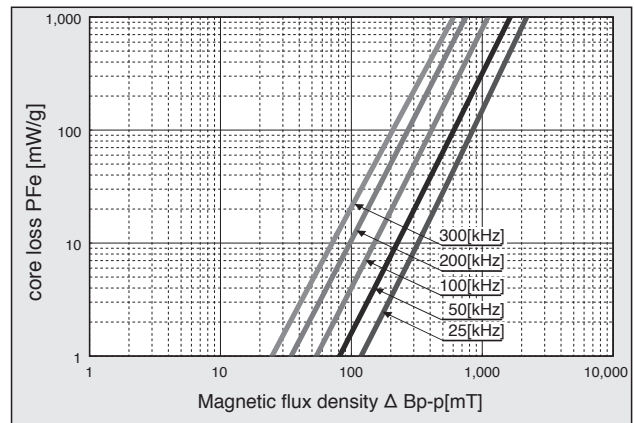
### ◆ Core Loss Characteristics (1) (Magnetic Flux Density Dependency)

- Sendust(Fe-Si-Al)



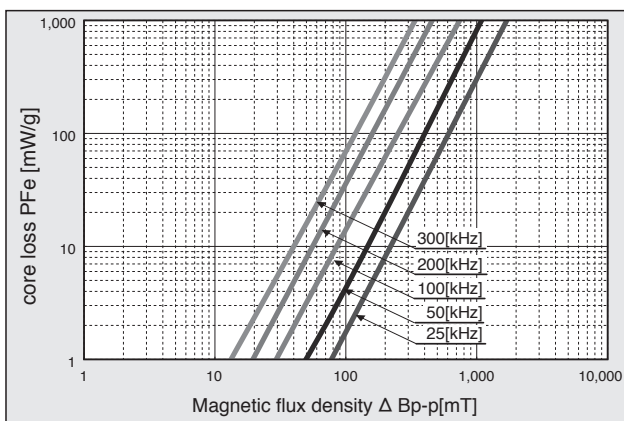
### ◆ Core Loss Characteristics (2) (Magnetic Flux Density Dependency)

- High Flux(Fe-Ni)

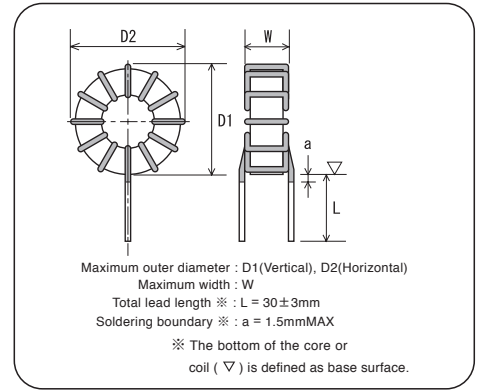


### ◆ Core Loss Characteristics (3) (Magnetic Flux Density Dependency)

- Silicon steel dust (Fe-Si)



● Permissible end-to-end voltage of coils : 250V



◆ COIL STANDARD SPECIFICATIONS

Coil Part No.	Rated Current A	Inductance <sup>*1</sup> (100kHz)		D.C.R. mΩ (max)	Winding mm φ × lines	Outside Dimensions		
		0[A] μH	Rating μH			D1 mm	D2 mm	W mm
● LHDM002141AQDV0E	2	190	135	78	0.7φ × 1P	22.5	23.5	12.5
● LHDM003800AQDV0E	3	120	80	48	0.8φ × 1P	23.0	24.0	13.5
● LHDM005300AQDV0E	5	46	30	23	1.0φ × 1P	23.5	24.5	14.5
● LHDM002331ARDV0E	2	550	330	150	0.7φ × 1P	26.0	27.0	14.0
● LHDM003101ARDV0E	3	140	100	58	0.8φ × 1P	26.0	27.0	14.0
● LHDM005550ARDV0E	5	95	55	32	1.0φ × 1P	26.5	27.0	14.5
◎ LHDM003251AUGV0E	3	360	250	90	0.8φ × 1P	32.5	33.0	14.0
◎ LHDM005161AUGV0E	5	310	160	55	1.0φ × 1P	33.5	34.0	15.0
◎ LHDM010300AUGV0E	10	48	30	14	1.1φ × 2P	34.0	34.5	16.0
◎ LHDM002951AUDV0E <sup>*2</sup>	2	1500	950	260	0.7φ × 1P	32.5	33.5	18.5
◎ LHDM003231AUDV0E <sup>*2</sup>	3	300	230	90	0.8φ × 1P	32.5	33.5	18.5
◎ LHDM005141AUDV0E <sup>*2</sup>	5	210	140	50	1.0φ × 1P	33.0	34.0	19.0
◎ LHDM010330AUDV0E <sup>*2</sup>	10	48	33	12	1.6φ × 1P	35.0	36.0	20.5
◎ LHDM005571AZDV0E <sup>*2</sup>	5	800	570	95	1.1φ × 1P	52.5	53.0	26.5
◎ LHDM010151AZDV0E <sup>*2</sup>	10	220	150	28	1.6φ × 1P	55.0	56.0	28.0
◎ LHDM020200AZDV0E <sup>*2</sup>	20	26	20	6	1.8φ × 2P	55.0	56.0	28.5

\*1 Rated inductance tolerance ; ±20%, the inductance at current 0[A] indicates the reference value.

\*2 Correspondence with the core case is possible.

There is a horizontal putting type in all items in the above list.

'V' changes into "H" in last the third digit of the name of items.

There is a type with the length putting seat in ● item in the above list. "D" in last the third digit of the name of items.

There is a type with the length putting seat in ◎ item in the above list.

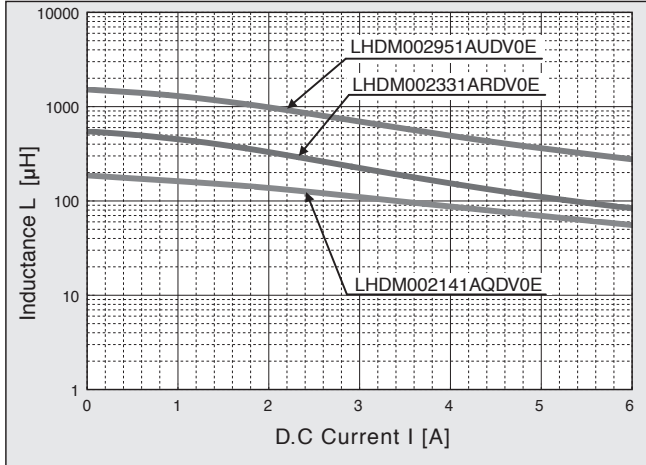
"V" changes into "D" in last the third digit of the name of items.

\*Order the auxiliary pins separately if they are required for the pedestal.

Please select them according to the situation.

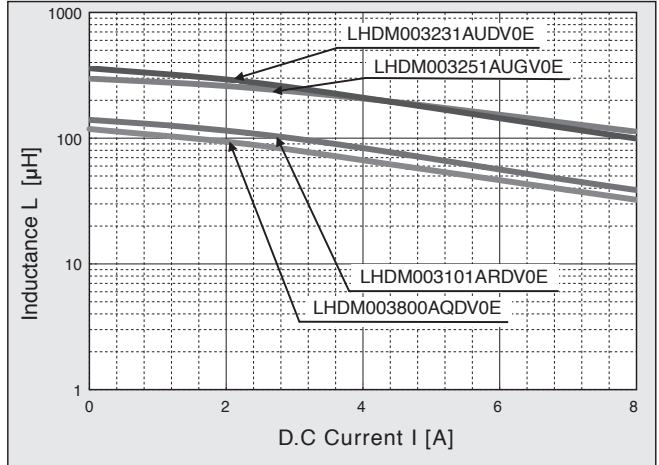
◆D.C. BIAS CHARACTERISTICS (1)

●Rated Current : 2[A], Frequency : 100[kHz]



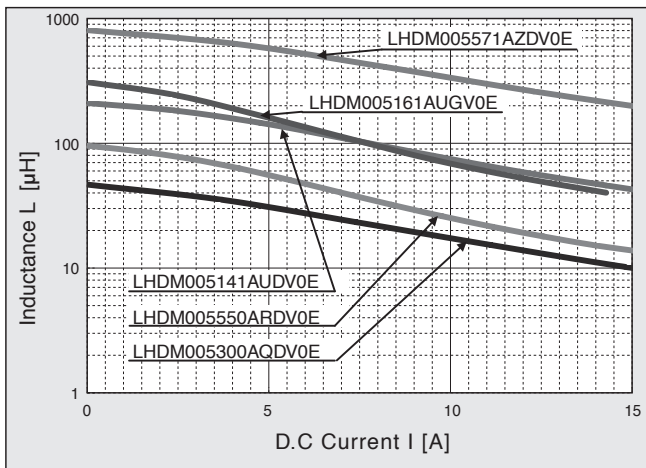
◆D.C. BIAS CHARACTERISTICS (2)

●Rated Current : 3[A], Frequency : 100[kHz]



◆D.C. BIAS CHARACTERISTICS (3)

●Rated Current : 5[A], Frequency : 100[kHz]



◆D.C. BIAS CHARACTERISTICS (4)

●Rated Current : 10, 20[A], Frequency : 100[kHz]

