

# AM Series

## ◆MAJOR USES

- Choke coils for Power Factor Corrective circuit
- Normal mode choke coils for noise control



## ◆FEATURES

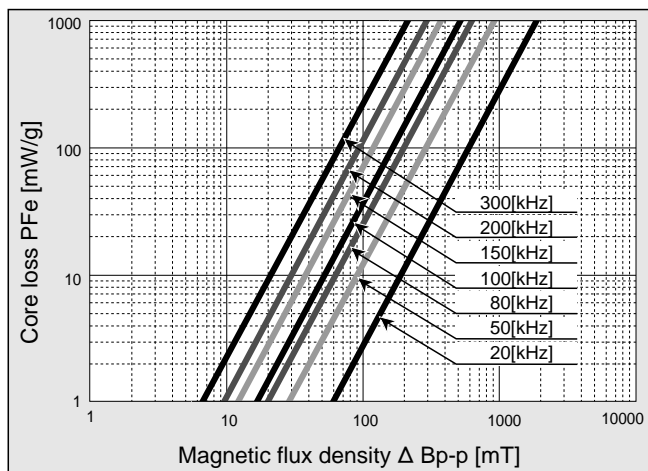
- Excellent D.C. bias characteristics
- Reduction of core loss in comparison with the conventional CM-series coils, providing low temperature rises for uses at power of 100V or larger
- Excellent temperature stability

## ◆CORE STANDARD SPECIFICATIONS

Core Part No. (Old Core Part No.)	Abbreviation	Cross Sectional Area cm <sup>2</sup>	Magnetic Path Length cm	Outside Dimensions			Inductance Coefficient AL Value		
				Outer Diameter mm	Width mm	Height mm	I <sub>dc</sub> =0[A] μH	Rated Current* μH	Rated Current Ampere Turn [AT]
LNC251510J3 (C251510J3)	J7H	0.430	6.28	28.3	12.7	12.3	0.100	0.075	430
LNC251515J2 (C251515J2)	J8H	0.645	6.28	28.3	12.7	17.5	0.140	0.113	460
LNC322015J2 (C322015J2)	JRH	0.774	8.17	35.2	17.5	17.3	0.122	0.102	600
LNC322020J2 (C322020J2)	JAH	1.032	8.17	35.5	17.0	23.8	0.156	0.125	660
LNC372320J2 (C372320J2)	JBH	1.204	9.42	40.5	19.5	23.0	0.173	0.140	700
LNC462720J2 (C462720J2)	JCH	1.634	11.5	49.4	22.7	23.0	0.193	0.156	840
LNC462725J2 (C462725J2)	JKH	2.043	11.5	49.4	22.7	28.0	0.230	0.183	900
LNC603525J2 (C603525J2)	JLH	2.688	14.9	66.7	29.3	29.2	0.230	0.166	1300

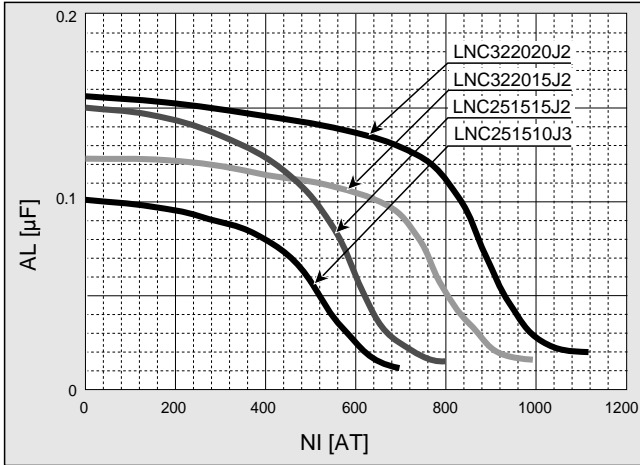
## ◆CORE LOSS CHARACTERISTICS

- AM choke



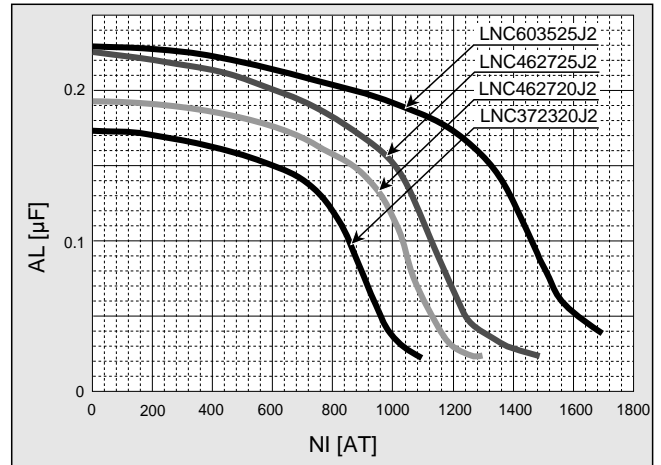
◆ D.C. BIAS CHARACTERISTICS AL-AT(1)

● Frequency : 100[kHz]



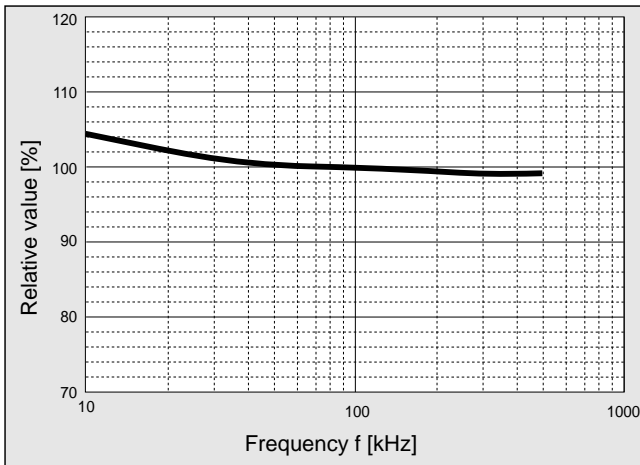
◆ D.C. BIAS CHARACTERISTICS AL-AT(2)

● Frequency : 100[kHz]



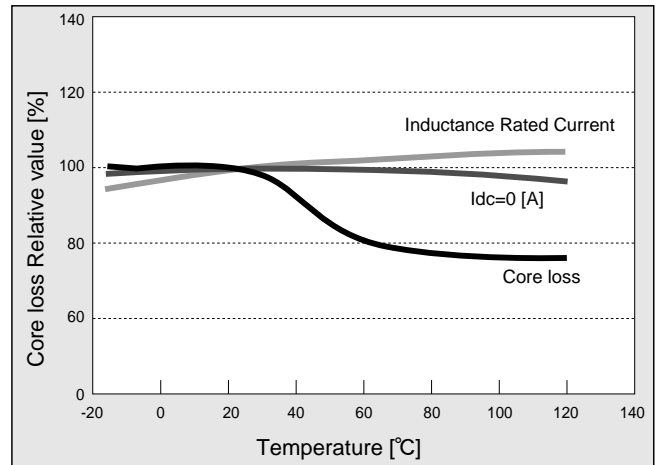
◆ FREQUENCY - INDUCTANCE CHARACTERISTICS

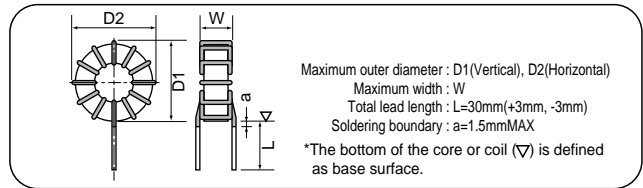
● AM choke



◆ TEMPERATURE DEPENDENCE - INDUCTANCE AND CORE LOSS

● Frequency : 100[kHz]





### ◆COIL STANDARD SPECIFICATIONS

Coil Part No. (Old Coil Part No.)	Rated Current A	Peak Current A	Inductance <sup>*1</sup> (100kHz)		D.C.R. mΩ (max)	Winding <sup>*2</sup> mmφ×lines-turns	Outside Dimensions		
			0[A] μH	Rating μH			D1 mm	D2 mm	W mm
○ LAAM002202J7HV00 (AM02202J7H)	2	2.8	2400	2000	350	0.7×1P-155T	33.0	34.5	19.0
○ LAAM003901J7HV00 (AM03901J7H)	3	4.2	1100	900	140	0.9×1P-102T	33.0	34.5	19.5
○ LAAM003152J8HV00 (AM03152J8H)	3	4.2	2000	1500	230	0.85×1P-116T	34.0	35.5	26.0
○ LAAM004801J8HV00 (AM04801J8H)	4	5.7	1100	800	150	0.9×1P- 84T	32.5	34.0	25.5
○ LAAM005501J8HV00 (AM05501J8H)	5	7.1	600	500	80	1.1×1P- 65T	33.0	34.5	28.0
○ LAAM004102JRHV00 (AM04102JRH)	4	5.7	1200	1000	160	1.0×1P-100T	40.5	42.0	26.5
○ LAAM005751JRHV00 (AM05751JRH)	5	7.1	890	750	110	1.1×1P- 85T	40.5	42.0	27.0
○ LAAM005901JAHV00 (AM05901JAH)	5	7.1	1000	900	115	1.1×1P- 81T	40.5	42.0	32.0
○ LAAM006651JAHV00 (AM06651JAH)	6	8.5	740	650	87	1.2×1P- 69T	41.0	42.5	32.5
○ LAAM005122JBHV00 (AM05122JBH)	5	7.1	1500	1200	140	1.1×1P- 92T	45.5	47.0	31.5
○ LAAM006801JBHV00 (AM06801JBH)	6	8.5	970	800	94	1.2×1P- 75T	45.0	46.5	30.5
○ LAAM008501JBHV00 (AM08501JBH)	8	11.3	600	500	53	1.0×2P- 59T	46.5	48.0	32.0
○ LAAM008801JCHV00 (AM08801JCH)	8	11.3	1000	800	73	1.0×2P- 72T	56.0	57.5	33.5
○ LAAM010501JCHV00 (AM10501JCH)	10	14.1	600	500	45	1.1×2P- 56T	54.5	56.0	32.5
○ LAAM012351JCHV00 (AM12351JCH)	12	17.0	420	350	33	1.2×2P- 47T	55.0	56.5	32.0
○ LAAM010651JKHV00 (AM10651JCH)	10	14.1	840	650	53	1.1×2P- 61T	56.0	57.5	38.0
○ LAAM012451JKHV00 (AM12451JKH)	12	17.0	590	450	41	1.2×2P- 51T	55.5	57.0	38.0
○ LAAM015301JKHV00 (AM15301JKH)	15	21.2	380	300	26	1.1×3P- 41T	55.5	57.0	38.0
○ LAAM012701JLHV00 (AM12701JLH)	12	17.0	860	700	53	1.2×2P- 61T	72.5	74.0	39.0
○ LAAM015451JLHV00 (AM15451JLH)	15	21.2	550	450	35	1.1×3P- 49T	72.0	73.5	40.0
○ LAAM020251JLHV00 (AM20251JLH)	20	28.3	310	250	20	1.1×4P- 37T	72.5	74.0	39.0

\*1 Rated inductance tolerance : ±25%, the inductance at current 0[A] indicates the reference value.

\*2 The number of turns indicates the reference value.

The specification of the inductance takes precedence over that of the number of turns.

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

There are the type with the length putting seat and the horizontal putting seat in ○ item.

The type with the length putting seat is "V" changes into "B" 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.