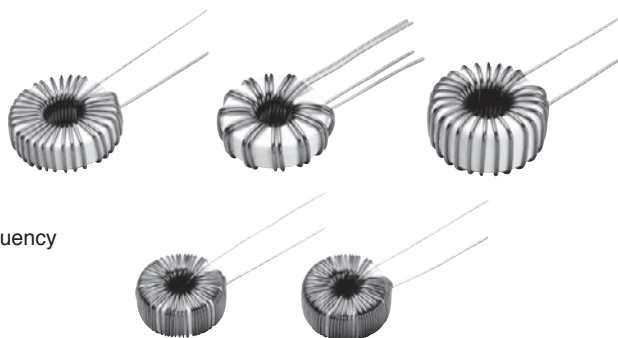


# AMORPHOUS CHOKE COILS



ES  
 Coils for Switching Mode Power Supply  
 DC-DC converter  
 Choke coils for noise control



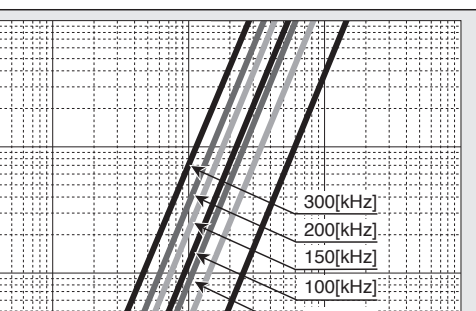
of core loss enabling low temperature rise at high frequency  
 and reduction of DC resistance  
 x due to gap-less structure  
 ncy and temperature features

## STANDARD SPECIFICATIONS

No. (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]
5N (N)	NS	0.08	2.84	13.0	6.0	6.5	0.100	0.063	70
5N (N)	N1	0.13	3.44	16.0	5.8	7.4	0.120	0.070	75
5N (N)	N2	0.14	3.85	17.2	7.3	6.4	0.118	0.063	100
5N (N)	N5	0.21	5.26	23.2	10.2	6.9	0.126	0.060	155
0N (N)	NU	0.29	3.92	18.0	7.3	11.9	0.260	0.115	120
0N (N)	NP	0.33	4.95	21.9	9.8	11.8	0.212	0.095	160
0N (N)	N6	0.40	5.50	24.7	10.5	12.0	0.229	0.112	160
0N (N)	N7	0.53	6.60	29.7	12.5	12.3	0.253	0.120	200
0N (N)	N9	0.56	8.25	35.2	17.5	12.3	0.211	0.090	280

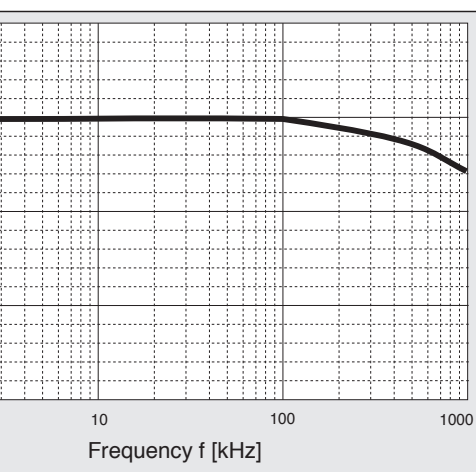
% (LPT100805N : 100[kHz], ±25%)

## CHARACTERISTICS



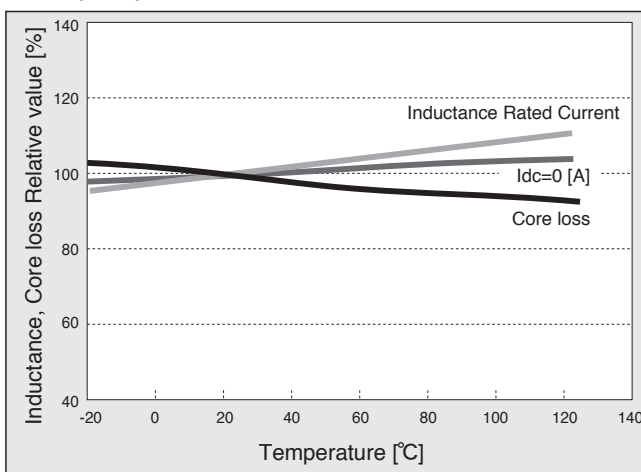
# AMORPHOUS CHOKE COILS

## INDUCTANCE CHARACTERISTICS

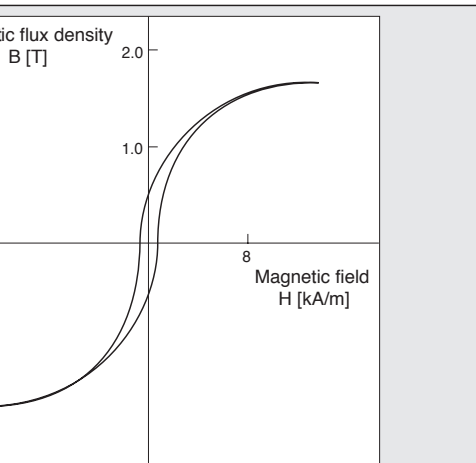


## TEMPERATURE DEPENDENCE - INDUCTANCE AND CORE LOSS

● Frequency : 200[kHz]

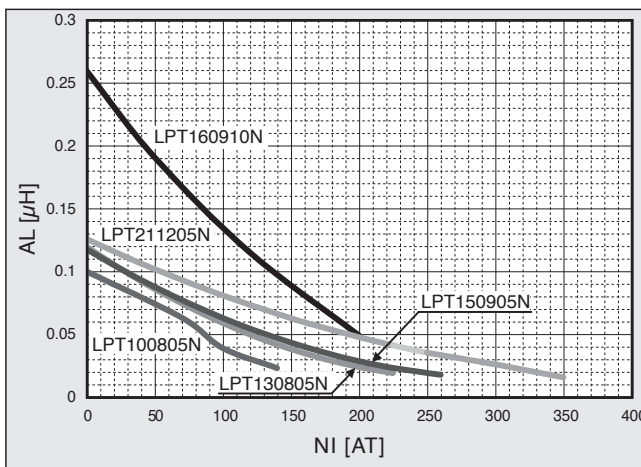


E



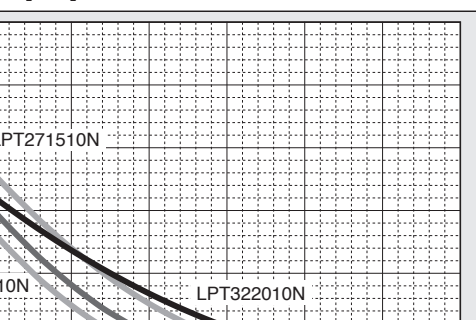
## D.C. BIAS CHARACTERISTICS AL-AT(1)

● Frequency : 200[kHz] (LPT100805N : 100[kHz])

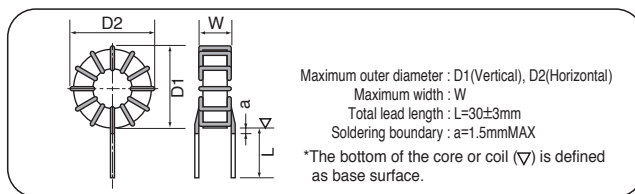


## CHARACTERISTICS AL-AT(2)

100[kHz]



# AMORPHOUS CHOKE COILS



## STANDARD SPECIFICATIONS

Part No. (Part No.)	Rated Current A	Inductance <sup>*1</sup> (200kHz) <sup>*2</sup>		D.C.R. mΩ (max)	Winding mmφ×lines	Outside Dimensions		
		0[A] μH	Rating μH			D1 mm	D2 mm	W mm
001NS-V0E (1NSPBF)	1	260 <sup>*2</sup>	200 <sup>*2</sup>	120	0.5×1P	16.0	16.0	11.0
000NS-V0E (0NSPBF)	2	120 <sup>*2</sup>	80 <sup>*2</sup>	60	0.6×1P	16.5	16.5	11.0
070NS-V0E (0NSPBF)	3	40 <sup>*2</sup>	27 <sup>*2</sup>	20	0.8×1P	16.5	17.0	11.5
000NS-V0E (0NSPBF)	5	14 <sup>*2</sup>	10 <sup>*2</sup>	9	1.0×1P	17.0	17.5	11.5
001N1-V0E (1N1PBF)	1	290	200	150	0.5×1P	18.5	19.0	10.5
051N1-V0E (1N1PBF)	1	400	250	170	0.5×1P	18.5	19.0	11.0
001N1-V0E (1N1PBF)	1	430	300	170	0.5×1P	19.5	19.5	11.5
001N1-V0E (1N1PBF)	2	160	100	70	0.6×1P	19.5	19.5	11.5
000N1-V0E (0N1PBF)	3	69	40	27	0.8×1P	19.5	19.5	11.5
0250N1-V0E (0N1PBF)	4	43	25	18	0.9×1P	19.5	19.5	11.5
050N1-V0E (0N1PBF)	5	23	15	11	1.0×1P	19.5	20.0	11.5
001N2-V0E (1N2PBF)	1	580	400	210	0.5×1P	19.5	20.0	11.0
001N2-V0E (1N2PBF)	1	770	500	230	0.5×1P	20.0	20.5	11.0
051N2-V0E (1N2PBF)	2	240	150	89	0.6×1P	20.0	20.5	10.5
001N2-V0E (1N2PBF)	2	360	200	110	0.6×1P	20.0	20.5	11.0
0211N2-V0E (1N2PBF)	2	400	210	110	0.6×1P	20.5	21.0	11.5
0700N2-V0E (0N2PBF)	3	110	70	36	0.8×1P	20.5	21.0	11.5
050N2-V0E (0N2PBF)	4	74	45	24	0.9×1P	21.0	21.5	11.5
000N2-V0E (0N2PBF)	4	92	50	24	0.9×1P	21.0	21.5	11.5
000N2-V0E (0N2PBF)	5	52	30	17	1.0×1P	21.0	21.5	12.0
000N2-V0E (0N2PBF)	6	34	20	11	0.8×2P	21.0	21.5	12.0

Inductance tolerance : ±25%, the inductance at current 0[A] indicates the reference value.

001NS-V0E | BTM002800NS-V0E | BTM003270NS-V0E | BTM005100NS-V0E | BTM001132N5-V0E : 100kHz

# AMORPHOUS CHOKE COILS

## STANDARD SPECIFICATIONS

Part No. (Part No.)	Rated Current A	Inductance <sup>*1</sup> (200kHz) <sup>*2</sup>		D.C.R. mΩ (max)	Winding mmφ×lines	Outside Dimensions		
		0[A] μH	Rating μH			D1 mm	D2 mm	W mm
32N5-V0E (2N5PBF)	1	2000 <sup>*2</sup>	1300 <sup>*2</sup>	400	0.5×1P	26.0	27.0	12.0
300N5-V0E (30N5PBF)	3	120	80	41	0.8×1P	26.5	27.5	11.0
171N5-V0E (11N5PBF)	3	290	170	59	0.8×1P	26.5	27.5	12.0
1750N5-V0E (10N5PBF)	5	150	75	27	1.0×1P	27.0	28.0	13.5
1450N5-V0E (10N5PBF)	6	85	45	18	0.8×2P	27.0	28.0	13.0
1250N5-V0E (10N5PBF)	8	45	25	11	0.9×2P	27.0	28.0	13.5
1160N5-V0E (10N5PBF)	10	28	16	7	1.1×2P	28.0	29.0	14.0
1080N5-V0E (10N5PBF)	15	15	8	4	1.1×3P	28.5	29.5	14.5
1051NU-V0E (11NUPBF)	2	700	350	135	0.6×1P	22.0	22.0	16.5
1031NU-V0E (11NUPBF)	3	230	130	44	0.8×1P	22.5	22.5	17.0
1000NU-V0E (10NUPBF)	5	94	50	19	1.0×1P	22.5	22.5	16.5
1070NU-V0E (10NUPBF)	8	31	17	7	0.9×2P	22.5	22.5	16.5
1021NP-V0E (11NPPBF)	2	1200	620	150	0.7×1P	25.0	25.5	16.5
1091NP-V0E (11NPPBF)	3	550	290	76	0.8×1P	25.0	25.5	16.0
1061NP-V0E (11NPPBF)	4	320	160	46	0.9×1P	25.0	25.0	16.5
1001NP-V0E (11NPPBF)	5	190	100	29	1.0×1P	25.5	26.0	16.5
1000NP-V0E (10NPPBF)	6	130	70	19	0.8×2P	25.0	25.5	16.0
1000NP-V0E (10NPPBF)	8	77	40	12	0.9×2P	25.0	25.0	16.5
1070NP-V0E (10NPPBF)	10	54	27	7	1.1×2P	26.0	26.0	17.0
1020NP-V0E (10NPPBF)	15	26	12	4	1.1×3P	26.0	26.0	17.5

# AMORPHOUS CHOKE COILS

## STANDARD SPECIFICATIONS

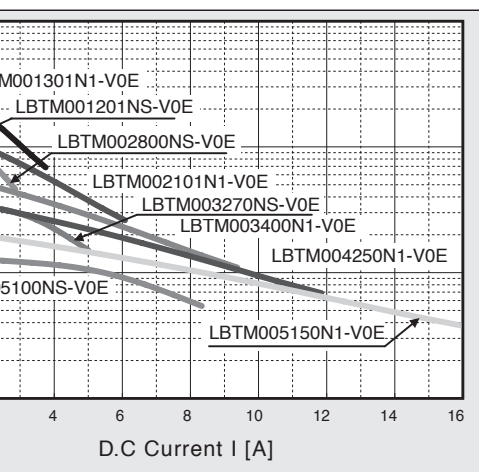
Part No. (Part No.)	Rated Current A	Inductance <sup>*1</sup> (200kHz) <sup>*2</sup>		D.C.R. mΩ (max)	Winding mmφ×lines	Outside Dimensions		
		0[A] μH	Rating μH			D1 mm	D2 mm	W mm
701N6-V0E (1N6PBF)	2	1200	700	150	0.7×1P	27.5	28.0	16.5
81N6-V0E (1N6PBF)	3	260	180	50	0.8×1P	27.5	28.0	15.0
351N6-V0E (1N6PBF)	3	640	350	82	0.8×1P	27.5	28.0	16.5
101N6-V0E (1N6PBF)	4	140	100	33	0.9×1P	27.5	28.0	16.0
201N6-V0E (1N6PBF)	4	370	200	48	0.9×1P	28.0	28.5	16.5
31N6-V0E (1N6PBF)	5	250	130	34	1.0×1P	28.5	29.0	17.0
350N6-V0E (0N6PBF)	6	170	85	22	0.8×2P	28.0	28.5	17.0
450N6-V0E (0N6PBF)	8	83	45	13	0.9×2P	28.0	28.5	17.0
300N6-V0E (0N6PBF)	10	51	30	7	1.1×2P	29.0	29.5	17.5
160N6-V0E (0N6PBF)	15	33	16	5	1.1×3P	28.5	29.0	18.5
100N6-V0E (0N6PBF)	20	23	10	4	1.3×3P	29.5	30.0	19.0
901N7-V0E (1N7PBF)	2	1500	900	240	0.6×1P	32.0	32.5	15.5
112N7-V0E (2N7PBF)	2	1800	1100	190	0.7×1P	32.5	33.0	16.5
181N7-V0E (1N7PBF)	3	820	480	94	0.8×1P	32.5	33.0	16.5
141N7-V0E (1N7PBF)	5	240	140	34	1.0×1P	33.0	33.5	16.0
211N7-V0E (1N7PBF)	5	390	210	42	1.0×1P	33.0	33.5	17.5
300N7-V0E (0N7PBF)	10	45	30	7	1.6×1P	35.5	36.0	18.5
500N7-V0E (0N7PBF)	10	100	50	11	1.1×2P	34.0	34.5	18.0
260N7-V0E (0N7PBF)	15	65	26	6	1.1×3P	33.5	34.0	18.0
100N7-V0E (0N7PBF)	25	25	10	3	1.6×2P	35.5	36.0	19.0
501N9-V0E (1N9PBF)	3	840	500	120	0.8×1P	38.5	39.0	18.5
281N9-V0E (1N9PBF)	5	530	280	61	1.0×1P	39.5	40.0	19.0
301N9-V0E (1N9PBF)	5	550	300	62	1.0×1P	39.5	40.0	19.0
500N9-V0E (0N9PBF)	10	110	60	12	1.6×1P	41.5	42.0	20.0
300N9-V0E (0N9PBF)	10	170	80	15	1.1×2P	41.0	41.5	20.5

# AMORPHOUS CHOKE COILS

## CHARACTERISTICS (1)

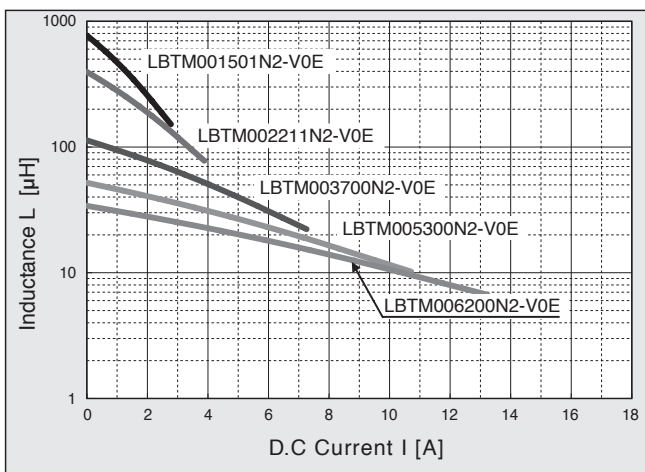
0805N, Frequency : 100[kHz]

0805N, Frequency : 200[kHz]



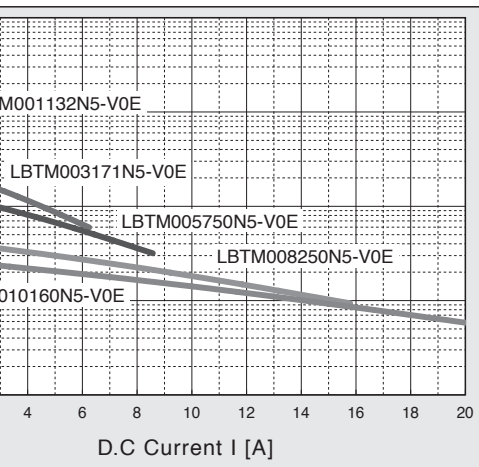
## ◆D.C. BIAS CHARACTERISTICS (2)

●Core : LPT150905N, Frequency : 200[kHz]



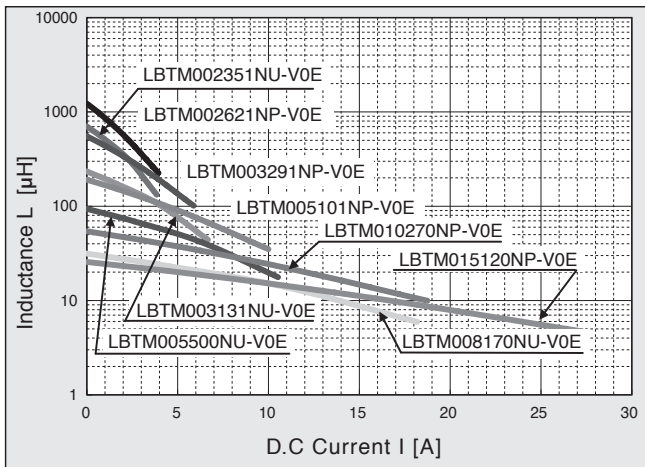
## CHARACTERISTICS (3)

1205N, Frequency : 200[kHz]



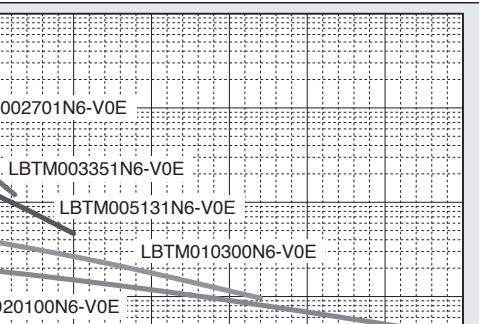
## ◆D.C. BIAS CHARACTERISTICS (4)

●Core : LPT160910N, LPT191210N, Frequency : 200[kHz]



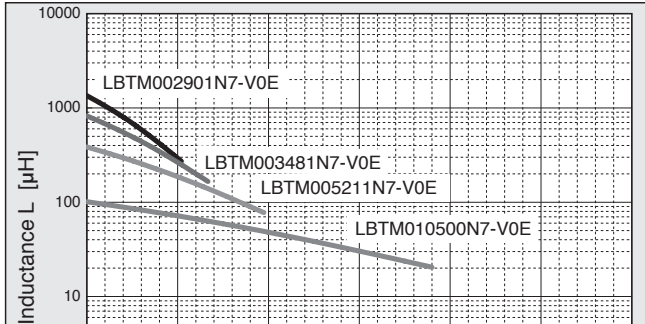
## CHARACTERISTICS (5)

1310N, Frequency : 200[kHz]



## ◆D.C. BIAS CHARACTERISTICS (6)

●Core : LPT271510N, Frequency : 200[kHz]



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[1572V](#) [M39014/01-1594V](#) [M39014/02-1236](#) [M39014/02-1321V](#) [M39014/02-1345V](#) [M39014/22-0351](#) [M39014/22-0695](#) [M39014/220767](#)  
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[TMC1206-05-3901-J](#) [TKC-TMC1206-05-44R2-F](#) [TKC-TMC1206-05-4703-J??](#)