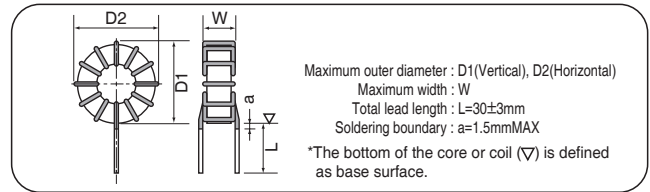


### ◆ MAJOR USES

- For Switching Mode Power Supply Normal mode noise filter

### ◆ FEATURES

- Great reduction of core loss enabling low temperature rise at high frequency
- Achieved significant miniaturization and low D.C. resistance
- Low leakage flux due to gap-less structure
- Excellent frequency and temperature characteristics



Coil Part No.	Core Part No.	Rated Current [A]	Inductance (200kHz)		D.C.R. mΩ (max)	Winding mm φ-lines	Outside Dimensions			D.C. BIAS CHARACTERISTICS Graph	
			0A [μH]	Rating [μH]			D1 [mm]	D2 [mm]	W [mm]		
LBTM001201NS-V0E	LPT100805N	1	260	200 **	120	0.5-1P	16.0	16.0	11.0	1	
LBTM002800NS-V0E		2	120	80 **	60	0.6-1P	16.5	16.5	11.0		
LBTM003270NS-V0E		3	40	27 **	20	0.8-1P	16.5	17.0	11.5		
LBTM005100NS-V0E		5	14	10 **	9	1.0-1P	17.0	17.5	11.5		
LBTM001201N1-V0E	LPT130805N	1	290	200	150	0.5-1P	18.5	19.0	10.5		
LBTM001251N1-V0E		1	400	250	170	0.5-1P	18.5	19.0	11.0		
LBTM001301N1-V0E		1	430	300	170	0.5-1P	19.5	19.5	11.5		
LBTM002101N1-V0E		2	160	100	70	0.6-1P	19.5	19.5	11.5		
LBTM003400N1-V0E		3	69	40	27	0.8-1P	19.5	19.5	11.5		
LBTM004250N1-V0E		4	43	25	18	0.9-1P	19.5	19.5	11.5		
LBTM005150N1-V0E		5	23	15	11	1.0-1P	19.5	20.0	11.5		
LBTM001401N2-V0E	LPT150905N	1	580	400	210	0.5-1P	19.5	20.0	11.0		2
LBTM001501N2-V0E		1	770	500	230	0.5-1P	20.0	20.5	11.0		
LBTM002151N2-V0E		2	240	150	89	0.6-1P	20.0	20.5	10.5		
LBTM002201N2-V0E		2	360	200	110	0.6-1P	20.0	20.5	11.0		
LBTM002211N2-V0E		2	400	210	110	0.6-1P	20.5	21.0	11.5		
LBTM003700N2-V0E		3	110	70	36	0.8-1P	20.5	21.0	11.5		
LBTM004450N2-V0E		4	74	45	24	0.9-1P	21.0	21.5	11.5		
LBTM004500N2-V0E		4	92	50	24	0.9-1P	21.0	21.5	11.5		
LBTM005300N2-V0E		5	52	30	17	1.0-1P	21.0	21.5	12.0		
LBTM006200N2-V0E		6	34	20	11	0.8-2P	21.0	21.5	12.0		

\* The inductance at current 0[A] indicates the reference value.

\*\* This is the inductance at 100kHz.



# AMORPHOUS CHOKE COILS

TM Series

Coil Part No.	Core Part No.	Rated Current [A]	Inductance (200kHz)		D.C.R. mΩ (max)	Winding mm φ-lines	Outside Dimensions			D.C. BIAS CHARACTERISTICS Graph
			0A [μH]	Rating [μH]			D1 [mm]	D2 [mm]	W [mm]	
LBTM001132N5-V0E	LPT211205N	1	2000	1300 **	400	0.5-1P	26.0	27.0	12.0	3
LBTM003800N5-V0E		3	120	80	41	0.8-1P	26.5	27.5	11.0	
LBTM003171N5-V0E		3	290	170	59	0.8-1P	26.5	27.5	12.0	
LBTM005750N5-V0E		5	150	75	27	1.0-1P	27.0	28.0	13.5	
LBTM006450N5-V0E		6	85	45	18	0.8-2P	27.0	28.0	13.0	
LBTM008250N5-V0E		8	45	25	11	0.9-2P	27.0	28.0	13.5	
LBTM010160N5-V0E		10	28	16	7	1.1-2P	28.0	29.0	14.0	
LBTM015080N5-V0E		15	15	8	4	1.1-3P	28.5	29.5	14.5	
LBTM002351NU-V0E	LPT160910N	2	700	350	135	0.6-1P	22.0	22.0	16.5	4
LBTM003131NU-V0E		3	230	130	44	0.8-1P	22.5	22.5	17.0	
LBTM005500NU-V0E		5	94	50	19	1.0-1P	22.5	22.5	16.5	
LBTM008170NU-V0E		8	31	17	7	0.9-2P	22.5	22.5	16.5	
LBTM002621NP-V0E	LPT191210N	2	1200	620	150	0.7-1P	25.0	25.5	16.5	
LBTM003291NP-V0E		3	550	290	76	0.8-1P	25.0	25.5	16.0	
LBTM004161NP-V0E		4	320	160	46	0.9-1P	25.0	25.0	16.5	
LBTM006700NP-V0E		6	130	70	19	0.8-2P	25.0	25.5	16.0	
LBTM008400NP-V0E		8	77	40	12	0.9-2P	25.0	25.0	16.5	
LBTM005101NP-V0E		5	190	100	29	1.0-1P	25.5	26.0	16.5	
LBTM010270NP-V0E		10	54	27	7	1.1-2P	26.0	26.0	17.0	
LBTM015120NP-V0E		15	26	12	4	1.1-3P	26.0	26.0	17.5	

\* The inductance at current 0[A] indicates the reference value.

\*\* This is the inductance at 100kHz.



# AMORPHOUS CHOKE COILS

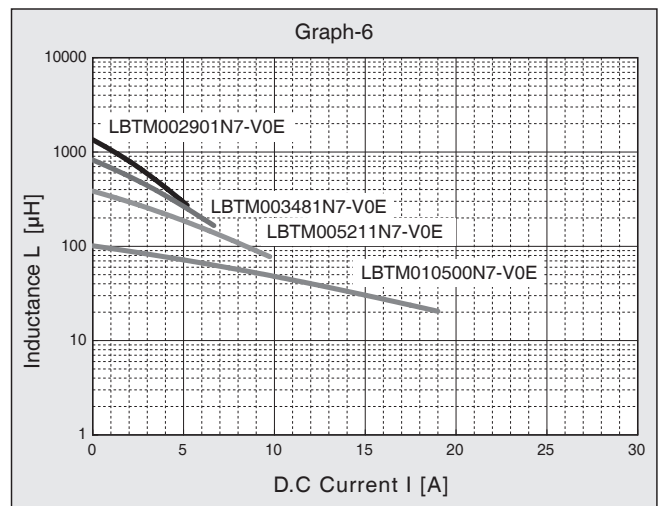
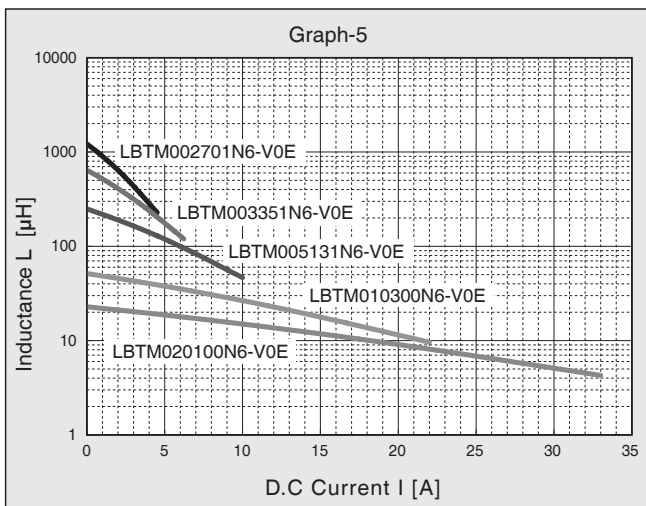
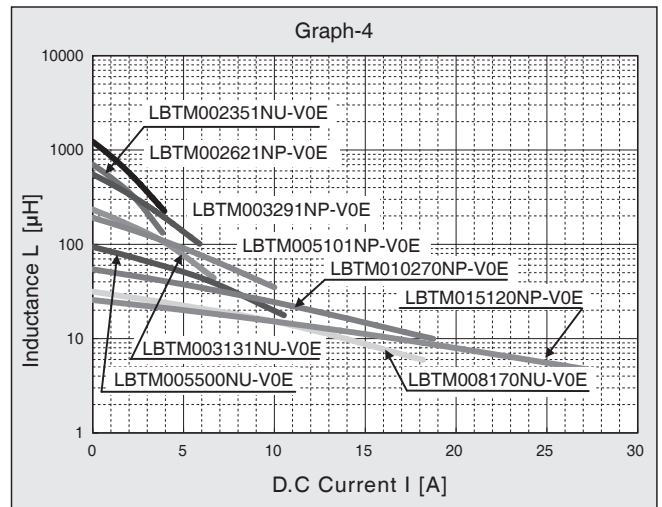
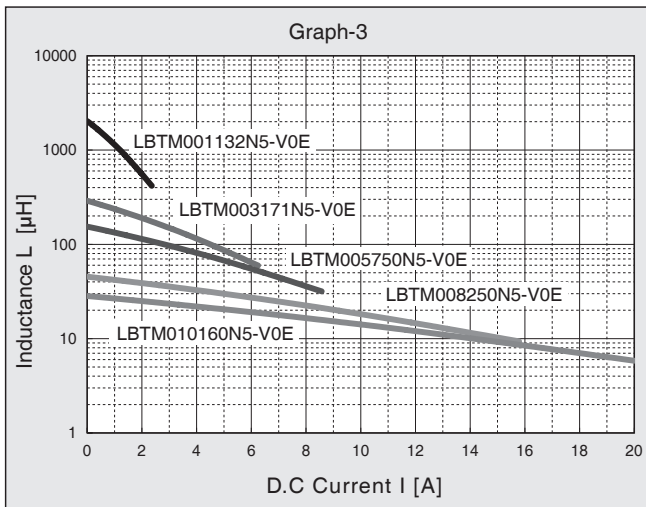
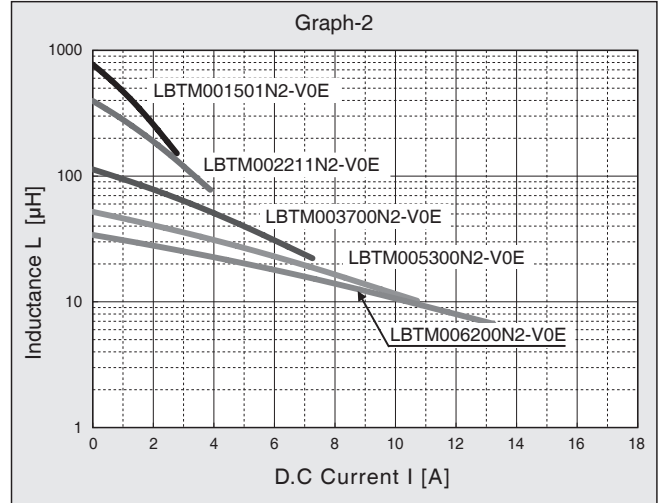
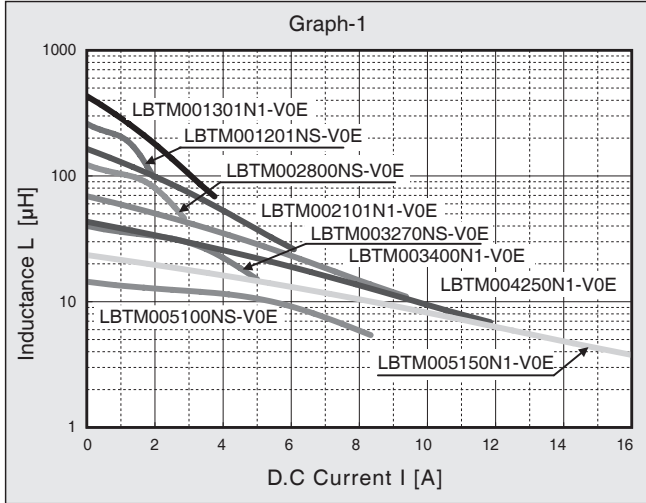
TM Series

Coil Part No.	Core Part No.	Rated Current [A]	Inductance (200kHz)		D.C.R. mΩ (max)	Winding mm φ-lines	Outside Dimensions			D.C. BIAS CHARACTERISTICS Graph
			0A [μH]	Rating [μH]			D1 [mm]	D2 [mm]	W [mm]	
LBTM002701N6-V0E	LPT221310N	2	1200	700	150	0.7-1P	27.5	28.0	16.5	5
LBTM003181N6-V0E		3	260	180	50	0.8-1P	27.5	28.0	15.0	
LBTM003351N6-V0E		3	640	350	82	0.8-1P	27.5	28.0	16.5	
LBTM004101N6-V0E		4	140	100	33	0.9-1P	27.5	28.0	16.0	
LBTM004201N6-V0E		4	370	200	48	0.9-1P	28.0	28.5	16.5	
LBTM006850N6-V0E		6	170	85	22	0.8-2P	28.0	28.5	17.0	
LBTM008450N6-V0E		8	83	45	13	0.9-2P	28.0	28.5	17.0	
LBTM005131N6-V0E		5	250	130	34	1.0-1P	28.5	29.0	17.0	
LBTM015160N6-V0E		15	33	16	5	1.1-3P	28.5	29.0	18.5	
LBTM010300N6-V0E		10	51	30	7	1.1-2P	29.0	29.5	17.5	
LBTM020100N6-V0E		20	23	10	4	1.3-3P	29.5	30.0	19.0	
LBTM002901N7-V0E	LPT271510N	2	1500	900	240	0.6-1P	32.0	32.5	15.5	6
LBTM002112N7-V0E		2	1800	1100	190	0.7-1P	32.5	33.0	16.5	
LBTM003481N7-V0E		3	820	480	94	0.8-1P	32.5	33.0	16.5	
LBTM005141N7-V0E		5	240	140	34	1.0-1P	33.0	33.5	16.0	
LBTM005211N7-V0E		5	390	210	42	1.0-1P	33.0	33.5	17.5	
LBTM015260N7-V0E		15	65	26	6	1.1-3P	33.5	34.0	18.0	
LBTM010500N7-V0E		10	100	50	11	1.1-2P	34.0	34.5	18.0	
LBTM010300N7-V0E		10	45	30	7	1.6-1P	35.5	36.0	18.5	
LBTM025100N7-V0E		25	25	10	3	1.6-2P	35.5	36.0	19.0	
LBTM003501N9-V0E	LPT322010N	3	840	500	120	0.8-1P	38.5	39.0	18.5	-
LBTM005281N9-V0E		5	530	280	61	1.0-1P	39.5	40.0	19.0	
LBTM005301N9-V0E		5	550	300	62	1.0-1P	39.5	40.0	19.0	
LBTM015400N9-V0E		15	93	40	8	1.1-3P	39.5	40.0	20.0	
LBTM020200N9-V0E		20	41	20	5	1.3-3P	40.5	41.0	20.5	
LBTM010800N9-V0E		10	170	80	15	1.1-2P	41.0	41.5	20.5	
LBTM020130N9-V0E		20	21	13	4	1.3-3P	41.0	41.5	19.5	
LBTM010600N9-V0E		10	110	60	12	1.6-1P	41.5	42.0	20.0	

\* The inductance at current 0[A] indicates the reference value.

◆ D.C. BIAS CHARACTERISTICS

● Frequency : 200[kHz]





- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.  
Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.
- We strongly recommend our customers to purchase Nippon Chemi-Con products only through our official sales channels. We assume no responsibility for any defects or damages caused by using products purchased from outside our official sales channel or of counterfeit goods. In addition, we will ask the customer to pay the investigation cost for products purchased outside our official sales channel.
- We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.  
The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
- We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.  
In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

[Accessory](#)

[Standard Specifications · Precautions and Guidelines](#)

[Minimum Order Quantity](#)

[Characteristics](#)

[Coil Design Request](#)



## Notes on Use

- The indicated heat-resistant temperatures are the guaranteed temperatures including coil self-generated heat.
- In high-temperature,-humidity environment, There is a possibility to occur hydrolyze and insulation deterioration.
- Common mode coils, by the unbalanced current, it may cause a magnetic saturation.
- We do not acquire safety standards with coil only.
- Ensure that you do not repeatedly apply excessive force to the lead wires or repeatedly bend them.
- Do not bang the coil against hard objects. Scratch on the coating, possibly impairing performance.
- Contact NIPPON CHEMI-CON for how to clean the substrate on which the coil is mounted.
- When infra-acoustic frequency component is impressed, a beat sound sometimes occurs.
- The products described in this catalog have been designed and manufactured for general electronic devices, therefore, if you intend to use our products for purposes that may endanger or threaten human lives and cause damage to property if such electronic devices fail or malfunction, or have a significant impact on society, please contact our information counter in advance to consult with us before using our products.
- Response to the Substances of Concern
  - (1) Nippon Chemi-Con aims for developing products that meet laws and regulations concerning substances of concern.  
(Some products may contain regulated substances for exempted application.)  
Please contact us for more information about law-compliance status.
  - (2) According to the content of REACH handbook (Guidance on requirements for May 2008), our electronic components are "articles without any intended release". Therefore they are not applicable for Registration for EU REACH Regulation Article 7 (1).  
Reference: Electrolytic Condenser Investigation Society  
Study of REACH Regulation in EU about Electrolytic Capacitor (publicized on 13 March 2008)

## Inductor (Coil) AEC-Q200 Compliance

The Automotive Electronics Council (AEC) was originally established by major American automotive related manufactures. Today, it is composed of representatives from the manufacturing companies in automotive electronic devices and components. It standardizes the certification criteria and reliability tests for electronic components.

AEC-Q200 is the reliability test standard for approval of passive components in automotive applications. It specifies the test type, parameters, quantity, etc. for each component. The criteria used in reliability tests for "Inductors(Coils/Cores)" are described in this standard.

Pursuant to the customer's specific testing requirements, Chemi-Con submits the test results according to AEC-Q200 for Inductors(Coils/Cores) used in automotive applications on request.

An electronic component manufacturer cannot simply claim that their product is "AEC-Q200 Qualified". Instead, the manufacturer may claim their components as "Compliant", "Capable", "Available", etc.

Each component must be tested depending on the customer's "Qualification Test Plan" in order to claim AEC-Q200 Qualification.

The standard products listed in the catalog are designed for general electronic equipment. If you are considering using the products for automotive use, it may be necessary to change the specifications. Please contact our sales representative for more information.