

The FM series coils are made of nano-crystal.

◆ MAJOR USES

- Common mode noise filter for AC/DC
- Zero-phase reactor

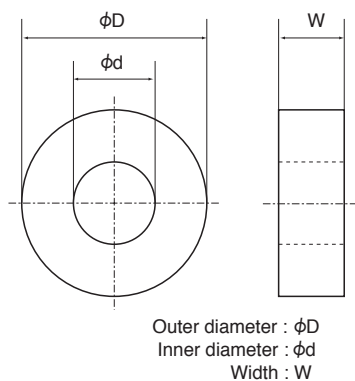
◆ FEATURES

- High impedance in spite of a small number of turns
- Excellent temperature characteristics

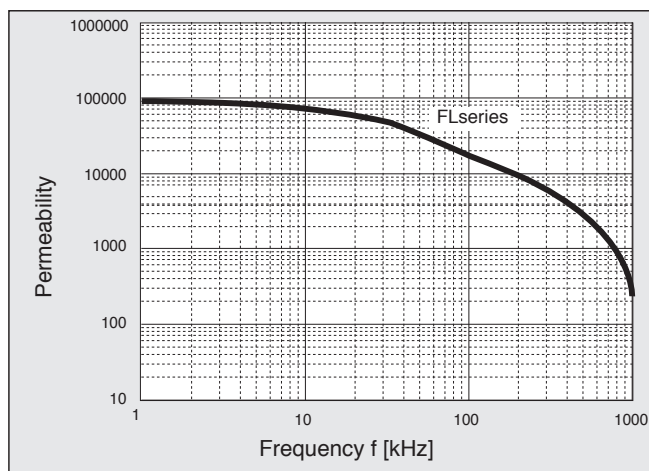


Core Part No.	Cross Sectional Area [cm ²]	Magnetic Path Length [cm]	Weight [g]	Outside Dimensions			Inductance Coefficient (AL Value [μh/N ²] at 0A)		Frequency Characteristics Graph
				φD [mm]	φd [mm]	W [mm]	10kHz	100kHz	
LRF251515MKX	0.63	6.40	35	28.3	12.7	17.5	-	18.3	1
LRF322015MKX	0.73	8.17	46	35.2	17.5	17.3	-	16.6	2
LRF372315MKX	0.85	9.42	67	40.5	19.5	18.0	-	17.2	3
LRF462725MKX	1.92	11.50	175	49.4	22.7	28.0	-	31.0	4
LRF603525MKX	2.53	14.90	310	66.7	29.3	29.2	-	31.6	5
LRF624520MKX	1.36	16.81	200	66.0	41.0	24.0	-	15.2	6

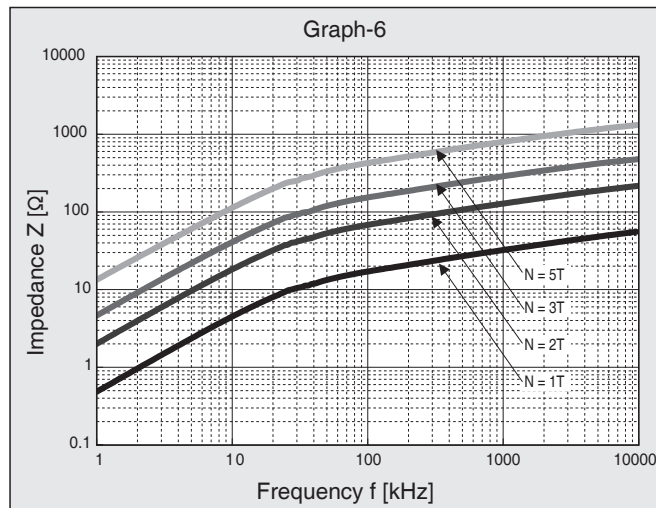
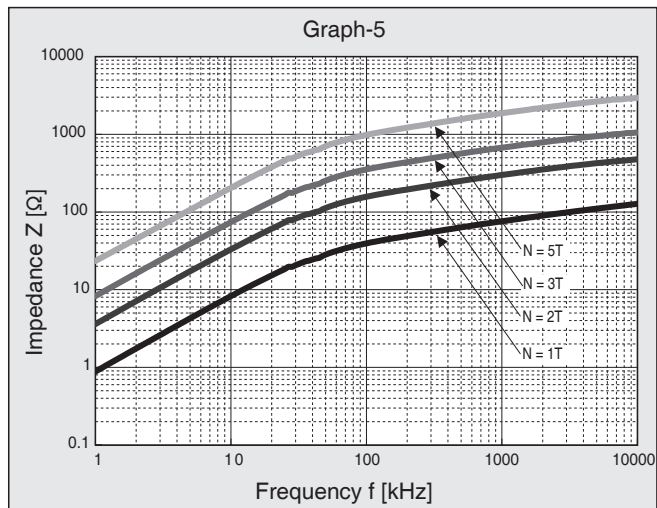
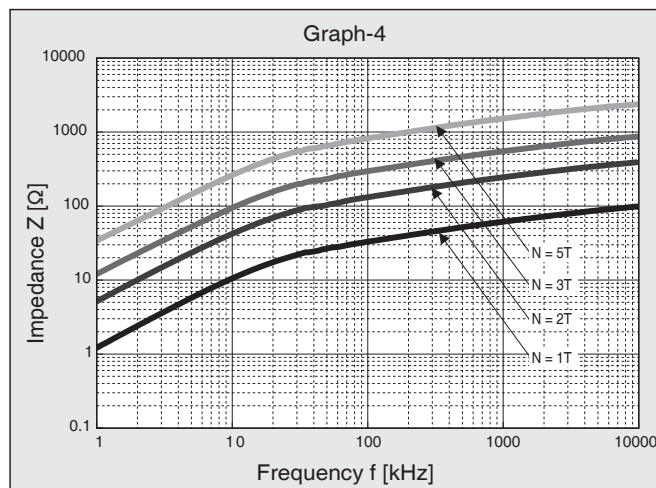
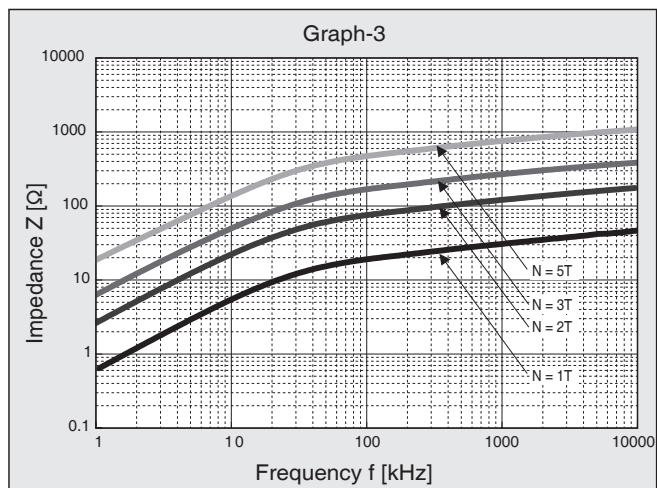
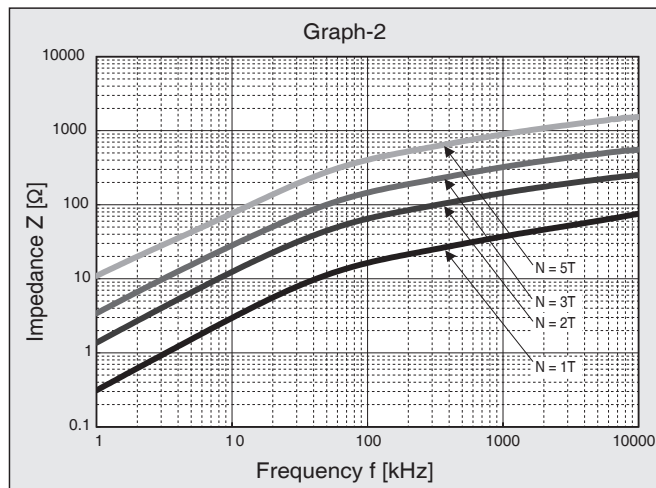
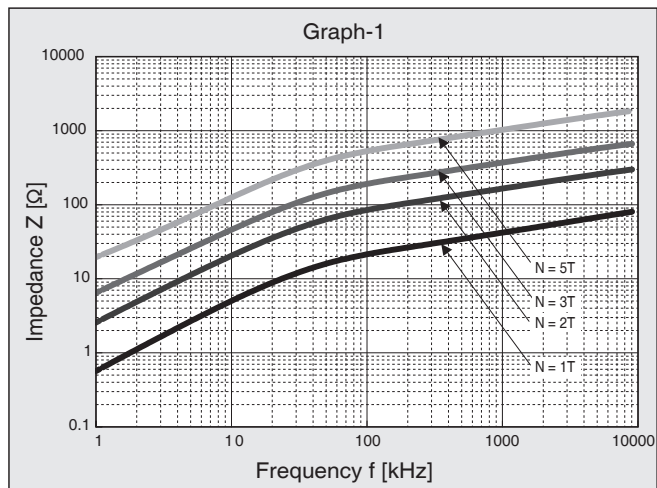
◆ DIMENSIONS OF CORE



◆ FREQUENCY - PERMEABILITY CHARACTERISTICS



◆ FREQUENCY - IMPEDANCE CHARACTERISTICS AMBIENT TEMPERATURE: 25°C



◆ MAJOR USES

- Zero-phase reactor
- Common mode noise filter for AC/DC

◆ FEATURES

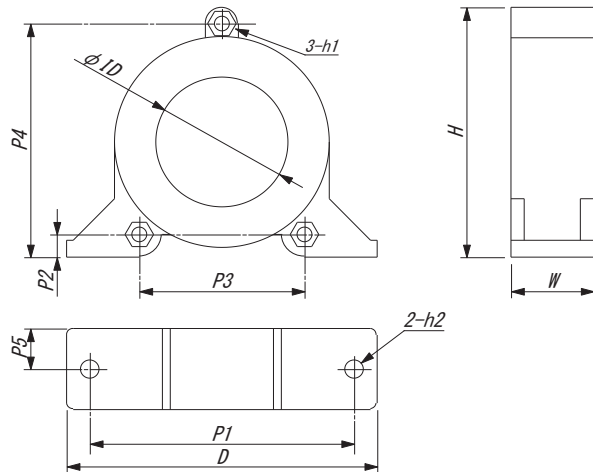
- Case with a hole to secure the chassis
- High impedance in spite of a small number of turns
- Excellent temperature characteristics



Core Part No.	Cross Sectional Area [cm ²]	Magnetic Path Length [cm]	Inductance Coefficient (AL Value [μH/N ²] at 0A)		Applicable screws	
			10kHz	100kHz	h1	h2
LRF604520MBX	1.2typ.	16.4typ.	77.0typ.	13.0typ.	M4	M5
LRF1108020MBX	2.2typ.	30.0typ.	85.0typ.	15.0typ.	M5	M6

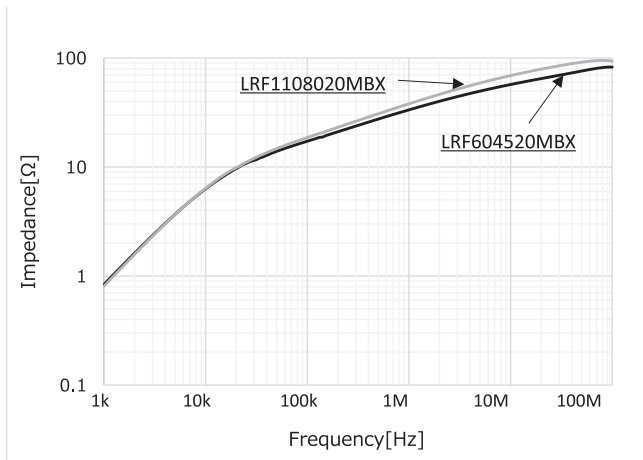
Core Part No.	Outside Dimensions								
	D [mm]	φID [mm]	H [mm]	W [mm]	P1 [mm]	P2 [mm]	P3 [mm]	P4 [mm]	P5 [mm]
LRF604520MBX	95max.	39.5min.	78max.	26max.	80±0.5	7±0.5	50±0.5	72±0.5	12.5±0.3
LRF1108020MBX	181max.	74min.	131max.	26max.	150±0.5	20±0.5	100±0.5	124±0.5	12.5±0.3

◆ DIMENSIONS OF CORE



◆ FREQUENCY - IMPEDANCE CHARACTERISTICS

(NUMBER OF TURNS 1T) AMBIENT TEMPERATURE: 25°C





- 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](#)