



# NANOCRYSTALLINE CORES

## FL-V Series



### ◆ MAJOR USES

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

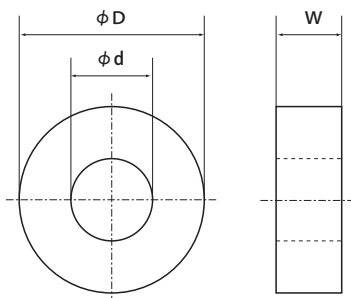
### ◆ FEATURES

- Achieved high impedance over a broad range of frequencies when compared to the FL Series



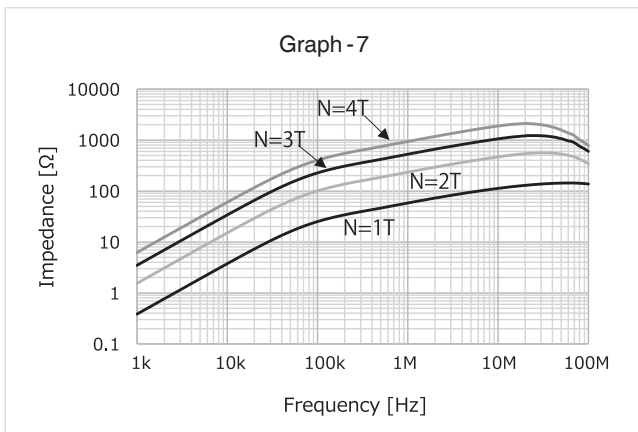
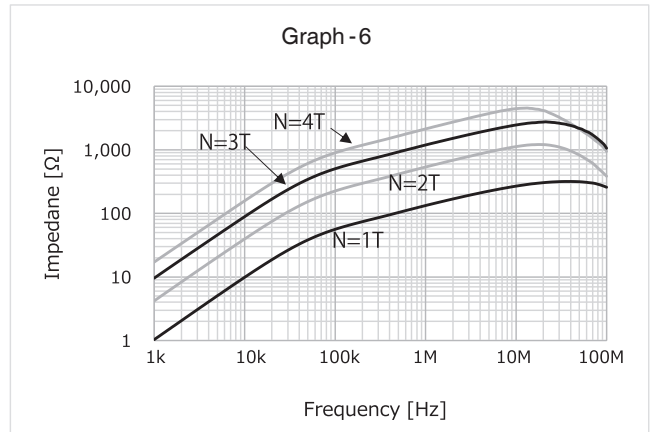
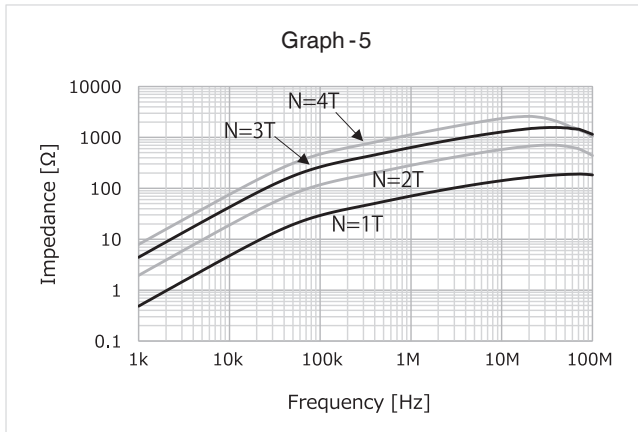
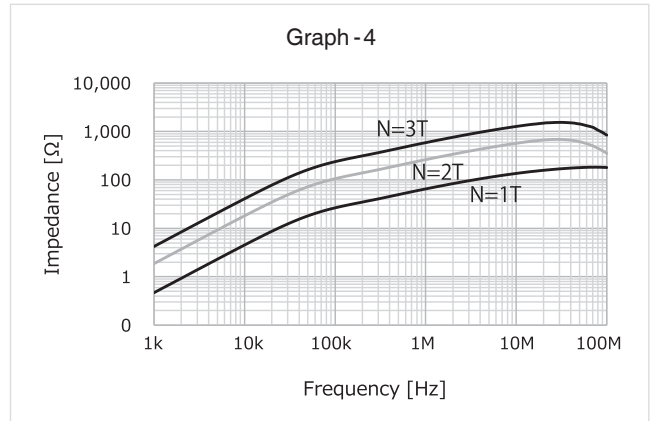
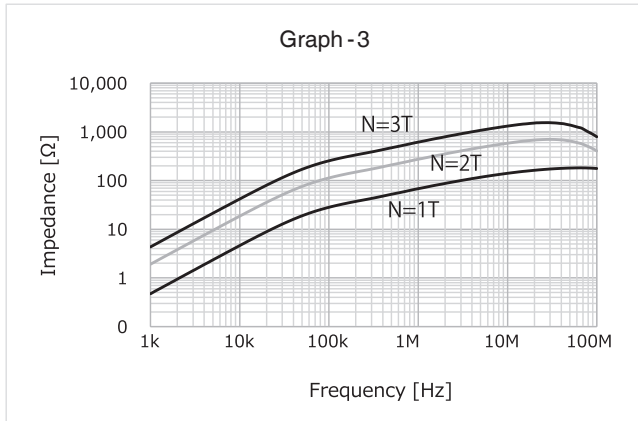
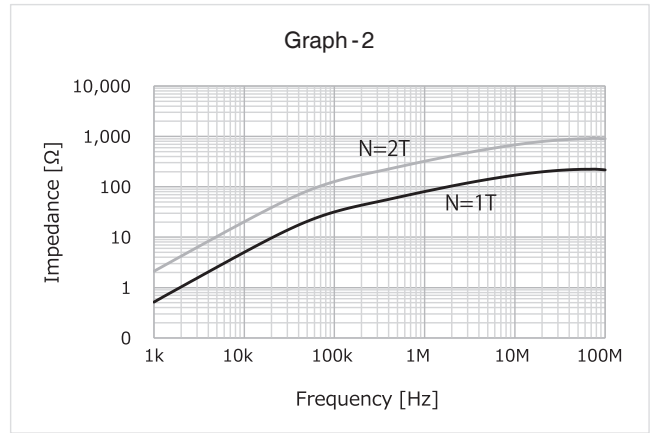
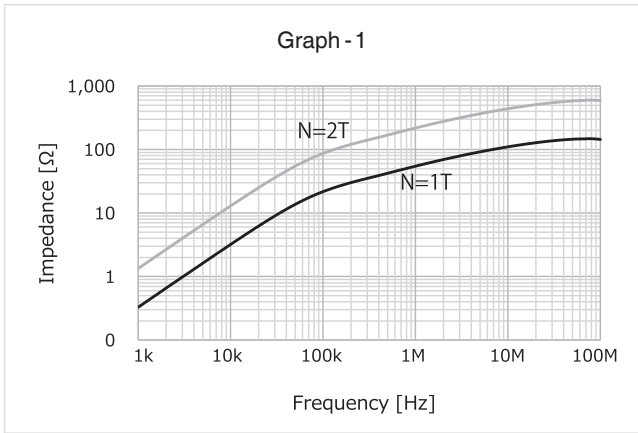
Core Part No.	Cross Sectional Area [cm <sup>2</sup> ]	Magnetic Path Length [cm]	Weight [g]	Outside dimensions			Inductance Coefficient (AL Value [ $\mu\text{H}/\text{N}^2$ ] at 0A)		Frequency Characteristics Graph
				$\phi\text{D}$ [mm]	$\phi\text{d}$ [mm]	W [mm]	10kHz	100kHz	
LRF251510MKCX	0.41	6.38	25	28.3	12.7	12.3	-	25.2	1
LRF251515MKCX	0.63	6.38	35	28.3	12.7	17.5	-	38.1	2
LRF322015MKCX	0.69	8.09	46	35.2	17.5	17.3	-	33.1	3
LRF372315MKCX	0.83	9.33	67	40.5	19.5	18.0	-	34.7	4
LRF462715MKCX	1.14	11.47	107	49.4	22.7	18.0	-	38.7	5
LRF462725MKCX	1.90	11.47	165	49.4	22.7	28.0	-	64.6	6
LRF624520MKCX	1.36	16.81	200	66.0	41.0	24.0	-	31.5	7

### ◆ DIMENSIONS OF CORE



Outer diameter :  $\phi\text{D}$   
 Inner diameter :  $\phi\text{d}$   
 Width : W

◆ FREQUENCY IMPEDANCE CHARACTERISTICS 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.
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In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

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