

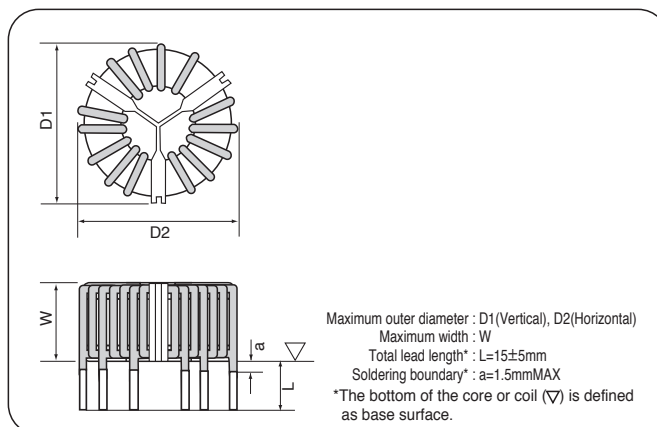
For three-phase circuit

◆ MAJOR USES

- Common mode noise filter for AC/DC

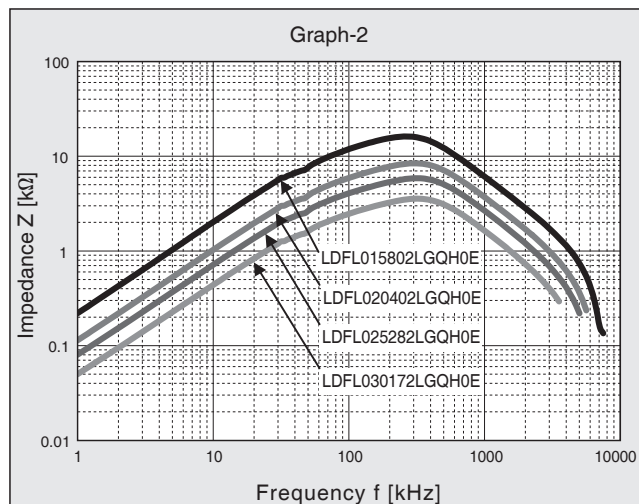
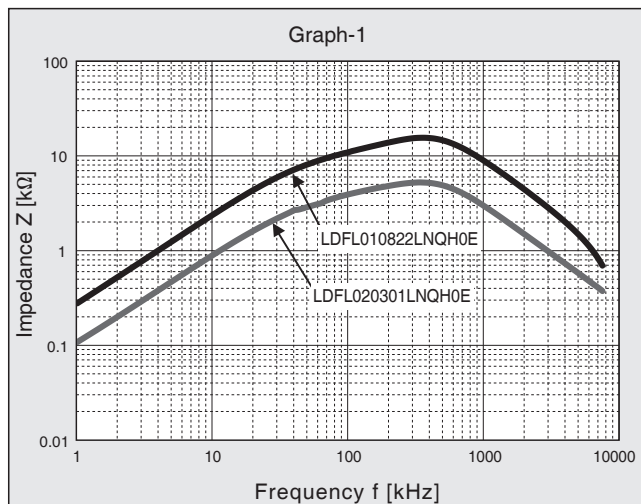
◆ FEATURES

- Achieved significant miniaturization due to high permeability core
- High inductance in spite of a small number of turns
- Low temperature rise due to low D.C. resistance
- Stable frequency performance of noise suppression in wide frequency range
- Excellent temperature characteristics



Coil Part No.	Core Part No.	Rated voltage [V]	Rated Current [A]	Inductance		D.C.R. mΩ (max)	Winding mm φ-lines	Outside Dimensions			Frequency Characteristics Graph	Temperature rise Graph
				10kHz [mH]	100kHz [mH]			D1 [mm]	D2 [mm]	W [mm]		
LDFL010822LNQH0E	F422615MQX	250	10	27.0	8.2	18.0	1.5-1P	56.0	56.0	32.0	1	-
LDFL020302LNQH0E			20	11.0	3.0	6.0	2.0-1P					-
LDFL015802LGQH0E	F422615MQX	250	15	30.0	8.0	15.0	2.0-1P	65.0	65.0	35.0	2	-
LDFL020402LGQH0E			20	16.0	4.0	6.0	2.3-1P					-
LDFL025282LGQH0E			25	10.0	2.8	5.0	1.8-2P					-
LDFL030172LGQH0E			30	7.0	1.7	4.0	2.0-2P					-

◆ FREQUENCY - IMPEDANCE CHARACTERISTICS AMBIENT TEMPERATURE:25°C



The FM series coils are made of nano-crystal.

◆ MAJOR USES

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

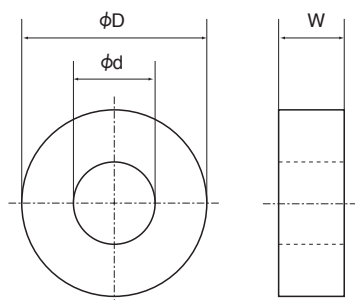
◆ FEATURES

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



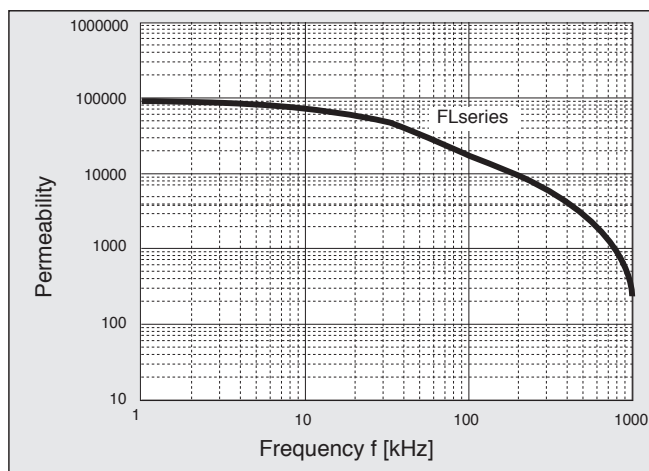
Core Part No.	Cross Sectional Area [cm ²]	Magnetic Path Length [cm]	Weight [g]	Outside Dimensions			Inductance Coefficient (AL Value [μh/N ²] at 0A)		Frequency Characteristics Graph
				φD [mm]	φd [mm]	W [mm]	10kHz	100kHz	
LRF251515MKX	0.63	6.40	35	28.3	12.7	17.5	-	18.3	1
LRF322015MKX	0.73	8.17	46	35.2	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

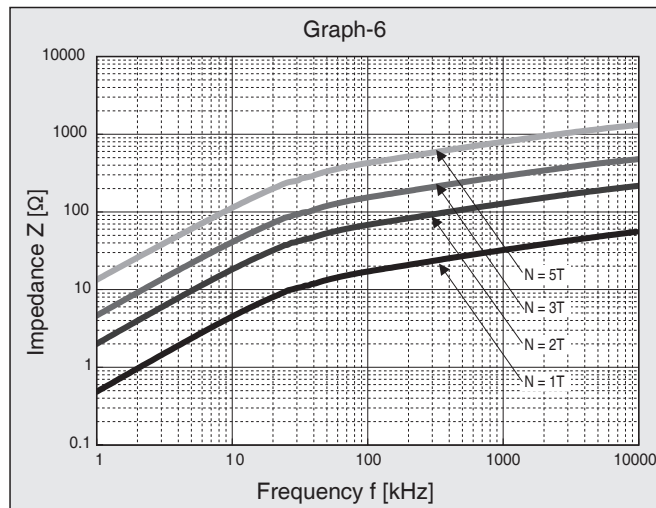
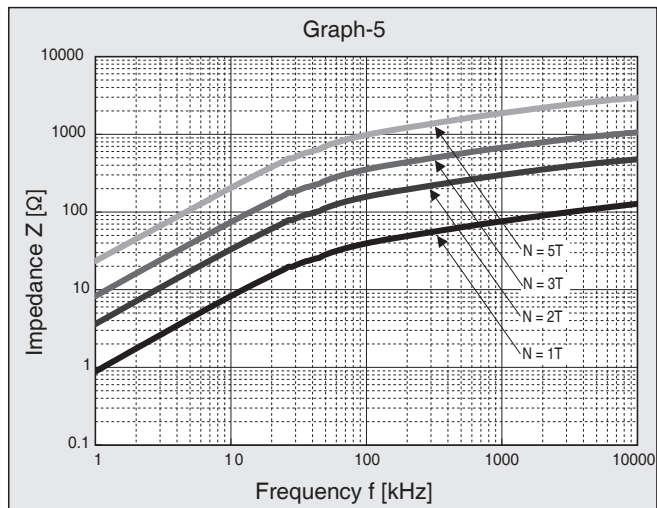
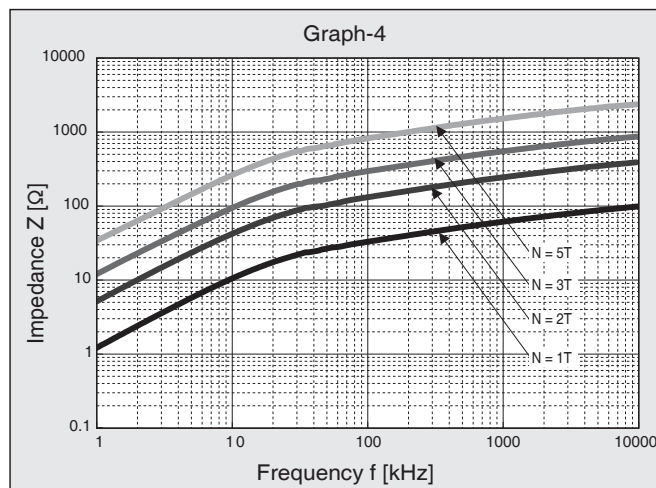
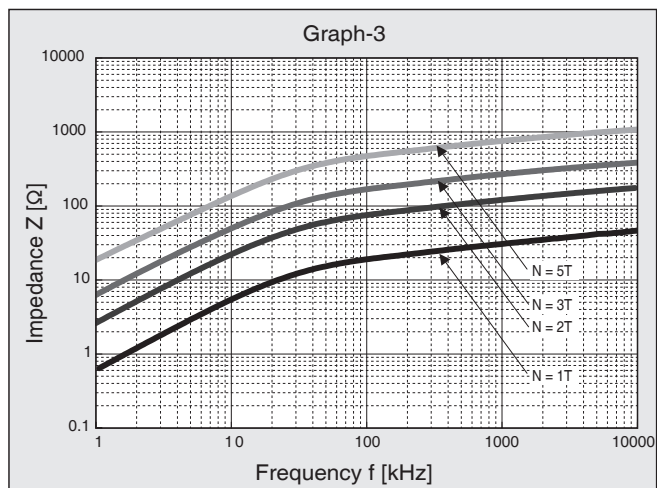
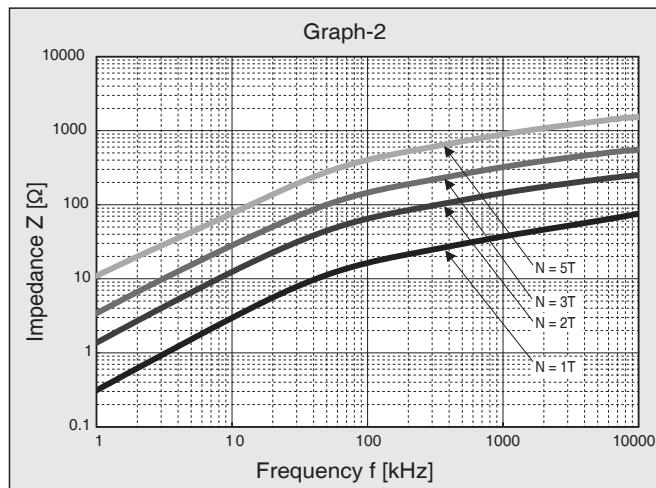
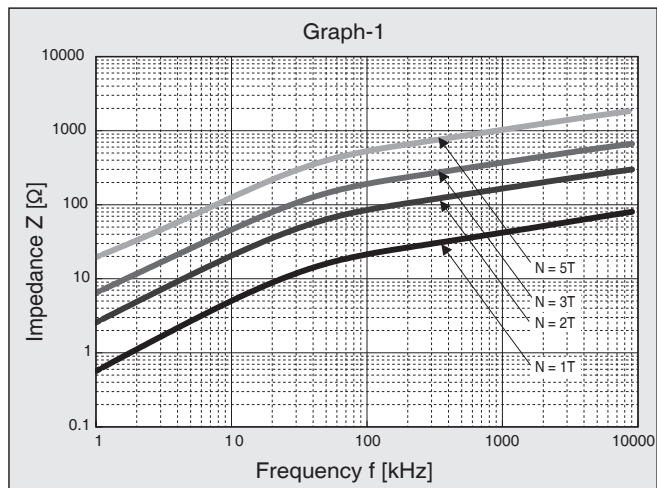


Outer diameter : φD
Inner diameter : φd
Width : W

◆ FREQUENCY - PERMEABILITY CHARACTERISTICS



◆FREQUENCY - IMPEDANCE CHARACTERISTICS AMBIENT TEMPERATURE:25°C





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