

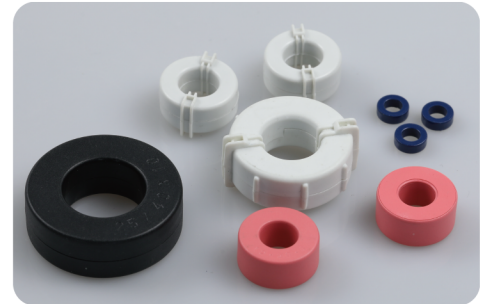
AMORPHOUS INDUCTOR

Features:

- High saturation flux density and High permeability
- Excellent DC bias characteristics
- Good frequency property

Application :

PFC, Smoothing choke and Normal mode choke.



Dimension & Performance

Part No	Core dimensions (mm)			Finished dimensions (mm)			Ae (cm ²)	Le (cm)	Typical Parameters	
	ID	OD	H	ID	OD	H			AL (μH)	DCB* (AT)
GO50-2008	12.0	20.0	8.0	9.7	22.5	11.0	0.24	5.02	0.110	180
GO50-2610	16.0	26.0	10.0	14.3	30.2	13.5	0.38	6.59	0.130	240
GO50-3210	20.0	32.0	10.0	17.5	34.5	13.5	0.45	8.16	0.140	300
GO50-4010	25.0	40.0	10.0	23.0	45.0	13.0	0.56	10.21	0.130	360
GO50-4013	25.0	40.0	12.5	23.0	45.0	16.0	0.70	10.21	0.150	360
GO50-4015	25.0	40.0	15.0	23.0	45.0	19.0	0.84	10.21	0.200	360
GO50-5015	32.0	50.0	15.0	29.0	55.0	18.0	1.01	12.87	0.200	460
GO50-5920	40.0	59.0	20.0	37.0	63.5	24.0	1.43	15.54	0.220	600

Part No	Core dimensions (mm)			Finished dimensions (mm)			Ae (cm ²)	Le (cm)	Typical Parameters	
	ID	OD	H	ID	OD	H			AL (μH)	DCB* (AT)
GO100-2610	16.0	26.0	10.0	14.3	30.2	13.5	0.38	6.59	0.060	520
GO100-3210	20.0	32.0	10.0	17.5	34.5	13.5	0.45	8.16	0.070	650
GO100-3718	20.0	37.0	18.0	18.0	39.0	19.7	1.15	8.95	0.095	700
GO100-4012	25.0	40.0	12.5	23.0	45.0	16.0	0.70	10.21	0.080	800
GO100-4015	25.0	40.0	15.0	23.0	45.0	19.0	0.84	10.21	0.095	810
GO100-5015	32.0	50.0	15.0	29.0	55.0	18.0	1.01	12.87	0.090	1030
GO100-5920	40.0	59.0	20.0	37.0	63.5	24.0	1.43	15.54	0.100	1250
GO100-6420	40.0	64.0	20.0	37.0	69.0	24.0	1.80	16.33	0.120	1300
GO100-10020	60.0	100.0	20.0	57.0	103.0	23.0	3.00	25.12	0.140	2000

FLOP CORE SERIES

Features:

- Excellent DC bias resistance
- Excellent linearity
- Low coreloss

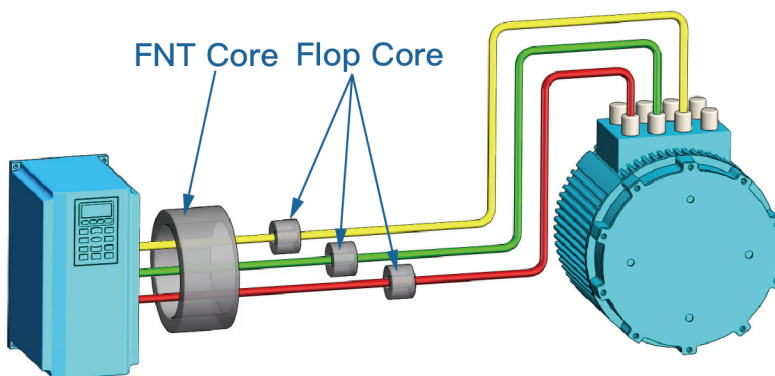
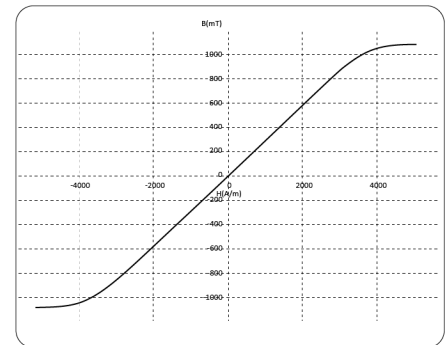
Application :

- Current transformer
- Electronic filter
- Energy storage
- Motor spindle protection

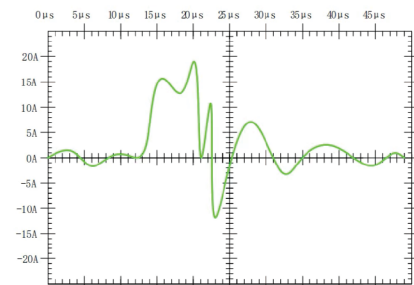


Performance

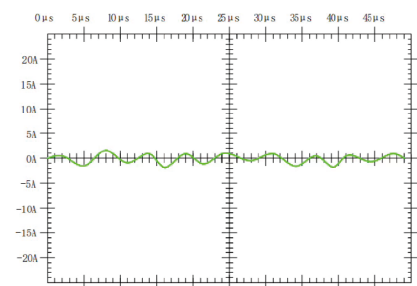
相对磁导率(Relative permeability) μ	200~3000
饱和磁通密度(High saturation flux density) B_s^* (T)	1.2
饱和磁伸缩 λ (Saturation magnetostriction s ($\times 10^{-6}$))	<1
电阻率 ρ (Electrical resistivity)($\mu\Omega\text{cm}$)	1.1
密度 (Density) d (kg/m^3)	7.35×10^3
铁损(Core loss)(20KHZ, 0.5T)	<15W/KG
铁损(Core loss)(50KHZ, 0.3T)	<20W/KG
带材宽度(Width) (mm)	5~30
带材厚度(Thickness) (μm)	18~24
剩磁(remanence) B_r (mT)	10
DC-Bias @200 μ (A/M)	3500



VFDs in combination with motors and generators cause high frequent common and differential mode current. These current propagate through the entire system and cause e.g.bearing damages,errors in the control system,erroneous triggering of RCD and are impacting the environment by electromagnetic radiation.



Before



After

Standard Specification OF FNMB7 Flop Core

Dimension & Performance

Part No	Core dimensions (mm)			Finished dimensions (mm)			Ae (cm ²)	Le (cm)	AL (μH) Typical
	OD	ID	H	OD	ID	H			100kHz
FLP-301	30.0	20.0	10.0	30.7	19.3	10.8	0.4	7.8	0.67
FLP-302	30.0	20.0	10.0	30.7	19.3	10.8	0.4	7.8	1.31
FLP-304	30.0	20.0	10.0	30.7	19.3	10.8	0.4	7.8	2.60
FLP-401	40.0	32.0	15.0	40.7	31.3	15.8	0.48	11.3	0.52
FLP-402	40.0	32.0	15.0	40.7	31.3	15.8	0.48	11.3	1.10
FLP-404	40.0	32.0	15.0	40.7	31.3	15.8	0.48	11.3	2.20
FLP-621	62.0	50.0	30.0	62.7	49.3	30.8	1.44	17.6	1.05
FLP-622	62.0	50.0	30.0	62.7	49.3	30.8	1.44	17.6	2.10
FLP-624	62.0	50.0	30.0	62.7	49.3	30.8	1.44	17.6	4.10
FLP-621	73.0	60.0	30.0	73.8	59.2	31.0	1.56	20.9	0.95
FLP-622	73.0	60.0	30.0	73.8	59.2	31.0	1.56	20.9	1.90
FLP-623	73.0	60.0	30.0	73.8	59.2	31.0	1.56	20.9	3.20
FLP-801	80.0	62.4	30.0	81.0	61.5	31.0	2.11	22.2	1.21
FLP-802	80.0	62.4	30.0	81.0	61.5	31.0	2.11	22.2	2.51
FLP-803	80.0	62.4	30.0	81.0	61.5	31.0	2.11	22.2	3.64
FLP-901	92.0	80.0	25.0	93.0	79.0	26.0	1.20	27.0	0.60
FLP-902	92.0	80.0	25.0	93.0	79.0	26.0	1.20	27.0	1.21
FLP-904	92.0	80.0	25.0	93.0	79.0	26.0	1.20	27.0	2.45
FLP-1001	106.0	78.0	25.0	107.1	76.9	26.2	2.80	28.9	1.32
FLP-1002	106.0	78.0	25.0	107.1	76.9	26.2	2.80	28.9	2.71
FLP-1003	106.0	78.0	25.0	107.1	76.9	26.2	2.80	28.9	3.98
FLP-1601	130.0	100.0	30.0	135.8	94.4	34.6	3.37	36.1	1.25
FLP-1602	130.0	100.0	30.0	135.8	94.4	34.6	3.37	36.1	2.52
FLP-1603	130.0	100.0	30.0	135.8	94.4	34.6	3.37	36.1	3.62

Note:
Customization for any size is supported.

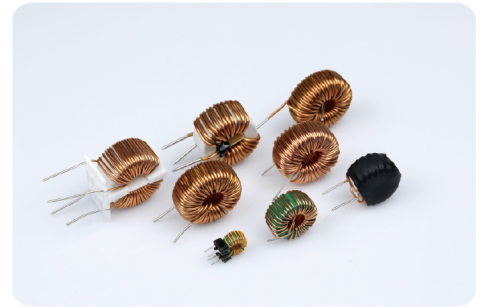
NDC-NANOCRYSTALLINE

Features:

- Anti electromagnetic interference
- High magnetic permeability Low loss
- Very Stable temperature characteristics

Application :

Suitable for common mode filtering products with requirements for resisting DC components and transformer iron cores with high stability and low loss.



Dimension & Performance

Part No	Core dimensions (mm)			Finished dimensions (mm)			Ae (cm ²)	Le (cm)	Weight(g)	AL (μH) Typical	
	OD	ID	H	OD	ID	H				10KHz	100kHz
NDC-02006M	20.0	12.0	10.0	22.8	10.1	12.3	31.2	50.2	11.4	27.5	22.0
NDC-02508M	25.0	16.0	10.0	27.6	14.0	12.0	35.1	64.4	16.5	24.5	19.2
NDC-02602M	26.0	16.0	10.0	28.3	14.0	12.9	39.0	65.9	18.7	26.0	20.8
NDC-03006M	30.0	20.0	10.0	33.1	18.2	13.2	39.0	78.5	22.3	21.8	17.5
NDC-03008M	30.0	20.0	15.0	33.6	18.0	17.7	58.5	78.5	33.5	32.8	26.3
NDC-03204M	32.0	20.0	10.0	34.5	17.4	12.9	46.8	81.6	27.9	25.3	20.2
NDC-03206M	32.0	20.0	15.0	34.6	18.1	17.8	70.2	81.6	41.8	38	30.3
NDC-04006M	40.0	25.0	15.0	43.6	21.8	18.4	87.7	102.1	65.4	38	30.3
NDC-05002M	50.0	32.0	15.0	53.6	29.1	18.1	105.3	128.8	99.0	36.7	28.8
NDC-06402M	64.0	40.0	20.0	68.0	37.0	24.5	187.2	163.3	223.2	50.5	40.4

Note:

Customization for any size is supported.

NOC-NANOCRYSTALLINE

Features:

- Anti electromagnetic interference
- High magnetic permeability Low loss
- Very Stable temperature characteristics

Application :

Suitable for common mode filtering products with requirements for resisting DC components and transformer iron cores with high stability and low loss.



Dimension & Performance

Part No	Core dimensions (mm)					Ae (cm ²)	Le (cm)	Weight(g)	AL (μH) Typical	
	OD1	OD2	ID1	ID2	H				10KHz	100kHz
NOC-05001	50.0	30.0	40.0	20.0	10.0	39.0	118.5	33.7	33.0	11.0
NOC-05002	50.0	30.0	40.0	20.0	10.0	39.0	118.5	33.7	14.0	12.0
NOC-05003	50.0	30.0	40.0	20.0	10.0	39.0	118.5	33.7	1.0	1.0
NOC-06001	60.0	40.0	45.0	25.0	15.0	87.8	142.1	91.0	60.0	25.0
NOC-06002	60.0	40.0	45.0	25.0	15.0	87.8	142.1	91.0	27.0	24.0
NOC-06003	60.0	40.0	45.0	25.0	15.0	87.8	142.1	91.0	2.0	2.0
NOC-07001	70.0	40.0	60.0	30.0	15.0	58.5	169.9	72.6	33.0	14.0
NOC-07002	70.0	40.0	60.0	30.0	15.0	58.5	169.9	72.6	16.0	15.0
NOC-07003	70.0	40.0	60.0	30.0	15.0	58.5	169.9	72.6	1.2	1.2
NOC-08001	80.0	50.0	65.0	35.0	20.0	117.0	193.6	165.3	59.0	24.0
NOC-08002	80.0	50.0	65.0	35.0	20.0	117.0	193.6	165.3	26.0	23.0
NOC-08003	80.0	50.0	65.0	35.0	20.0	117.0	193.6	165.3	2.1	2.1
NOC-09001	90.0	60.0	70.0	40.0	25.0	195.0	217.1	309.0	85.0	35.0
NOC-09002	90.0	60.0	70.0	40.0	25.0	195.0	217.1	309.0	38.0	34.0
NOC-09003	90.0	60.0	70.0	40.0	25.0	195.0	217.1	309.0	3.5	3.5

Note:

Customization for any size is supported.

NTC-NANOCRYSTALLINE

Features:

- Anti electromagnetic interference
- High magnetic permeability Low loss
- High stability

Application :

High precision transformer and transformer field.



Dimension & Performance

Part No	Core dimensions (mm)			Finished dimensions (mm)			Ae (cm ²)	Le (cm)	Weight(g)	AL (μH) Typical	
	OD	ID	H	OD	ID	H				10KHz	100kHz
NTC-01201	12.0	8.0	5.0	14.4	6.8	7.1	7.8	31.4	1.8	24.5	8.0
NTC-01202	12.0	8.0	5.0	14.4	6.8	7.1	7.8	31.4	1.8	8.9	8.8
NTC-01301	13.0	9.5	5.0	14.5	8.3	6.4	6.8	35.3	1.8	18.5	2.5
NTC-01302	13.0	9.5	5.0	14.5	8.3	6.4	6.8	35.3	1.8	6.9	6.8
NTC-01303	13.5	9.5	8.0	15.1	7.8	10.6	12.5	36.1	3.3	34.0	12.0
NTC-01304	13.5	9.5	8.0	15.1	7.8	10.6	12.5	36.1	3.3	12.4	12.2
NTC-01501	15.0	9.5	10.0	16.5	7.9	12.0	21.4	38.5	6.0	54.0	18.8
NTC-01502	15.0	9.5	10.0	16.5	7.9	12.0	21.4	38.5	6.0	20.0	19.7
NTC-01601	16.0	9.0	10.0	17.5	7.8	12.3	27.3	39.3	7.8	54.0	19.0
NTC-01602	16.0	9.0	10.0	17.5	7.8	12.3	27.3	39.3	7.8	20.0	19.7
NTC-01701	17.5	9.0	8.0	19.1	7.3	9.7	26.5	41.6	8.1	61.0	22.0
NTC-01702	17.5	9.0	8.0	19.1	7.3	9.7	26.5	41.6	8.1	22.9	22.5
NTC-01503	15.0	10.0	5.0	16.6	8.2	6.6	9.8	39.3	2.8	24.3	8.5
NTC-01504	15.0	10.0	5.0	16.6	8.2	6.6	9.8	39.3	2.8	8.9	8.8
NTC-01305	13.2	9.6	10.0	15.1	8.5	12.0	14.0	35.8	3.7	38.0	13.5
NTC-01306	13.2	9.6	10.0	15.1	8.5	12.0	14.0	35.8	3.7	14.1	13.8

NTC-10004	100.0	85.0	10.0	104.7	81.5	15.0	58.5	290.5	124.0	7.3	7.1
NTC-11101	111.0	106.0	4.0	116.3	102.4	6.5	7.8	340.8	19.4	2.2	0.8
NTC-11102	111.0	106.0	4.0	116.3	102.4	6.5	7.8	340.8	19.4	0.9	0.8
NTC-12301	123.0	115.0	10.0	127.0	111.8	14.1	31.2	373.8	85.1	8.0	2.8
NTC-12302	123.0	115.0	10.0	127.0	111.8	14.1	31.2	373.8	85.1	3.0	2.9

Note:

Customization for any size is supported.

NRC-NANOCRYSTALLINE

Features:

- Anti electromagnetic interference
- High magnetic permeability Low loss
- Very Stable temperature characteristics

Application :

Suitable for common mode filtering products with requirements for resisting DC components and transformer iron cores with high stability and low loss.



Dimension & Performance

Part No	Core dimensions (mm)						Ae (cm ²)	Le (cm)	Weight(g)	AL (μH) Typical	
	OD1	OD2	ID1	ID2	H	R				10KHz	100kHz
NRC-05001	50.0	30.0	40.0	20.0	10.0	5.0	39.0	127.2	36.2	30.0	11.0
NRC-05002	50.0	30.0	40.0	20.0	10.0	5.0	39.0	127.2	36.2	14.0	12.0
NRC-05003	50.0	30.0	40.0	20.0	10.0	5.0	39.0	127.2	36.2	1.0	1.0
NRC-05004	50.0	30.0	40.0	20.0	10.0	5.0	39.0	127.2	36.2	3.0	3.0
NRC-06001	60.0	40.0	45.0	25.0	15.0	5.0	87.5	155.0	99.3	54.0	23.0
NRC-06002	60.0	40.0	45.0	25.0	15.0	5.0	87.5	155.0	99.3	25.0	23.0
NRC-06003	60.0	40.0	45.0	25.0	15.0	5.0	87.5	155.0	99.3	2.0	2.0
NRC-06004	60.0	40.0	45.0	25.0	15.0	5.0	87.5	155.0	99.3	5.0	5.0
NRC-07001	70.0	40.0	60.0	30.0	15.0	5.0	58.5	187.2	79.9	30.0	12.0
NRC-07002	70.0	40.0	60.0	30.0	15.0	5.0	58.5	187.2	79.9	14.0	13.0
NRC-07003	70.0	40.0	60.0	30.0	15.0	5.0	58.5	187.2	79.9	1.2	1.2
NRC-07004	70.0	40.0	60.0	30.0	15.0	5.0	58.5	187.2	79.9	3.0	3.0
NRC-08001	80.0	50.0	65.0	35.0	20.0	5.0	117.0	215.0	126.9	52.0	22.0
NRC-08002	80.0	50.0	65.0	35.0	20.0	5.0	117.0	215.0	126.9	24.0	23.0
NRC-08003	80.0	50.0	65.0	35.0	20.0	5.0	117.0	215.0	126.9	2.1	2.1
NRC-08004	80.0	50.0	65.0	35.0	20.0	5.0	117.0	215.0	126.9	5.0	5.0
NRC-09001	90.0	60.0	70.0	40.0	25.0	5.0	195.0	242.9	345.7	77.0	32.0
NRC-09002	90.0	60.0	70.0	40.0	25.0	5.0	195.0	242.9	345.7	34.0	32.0
NRC-09003	90.0	60.0	70.0	40.0	25.0	5.0	195.0	242.9	345.7	3.5	3.5
NRC-09004	90.0	60.0	70.0	40.0	25.0	5.0	195.0	242.9	345.7	7	7

Note:

Customization for any size is supported.