

FLOP CORE SERIES

Features:

- Excellent DC bias resistance
- Excellent linearity
- Low coreloss

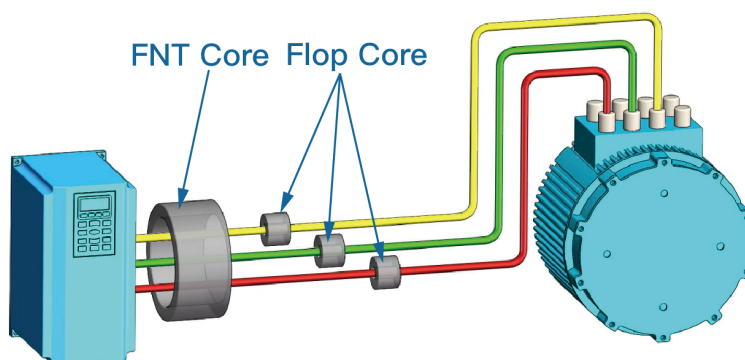
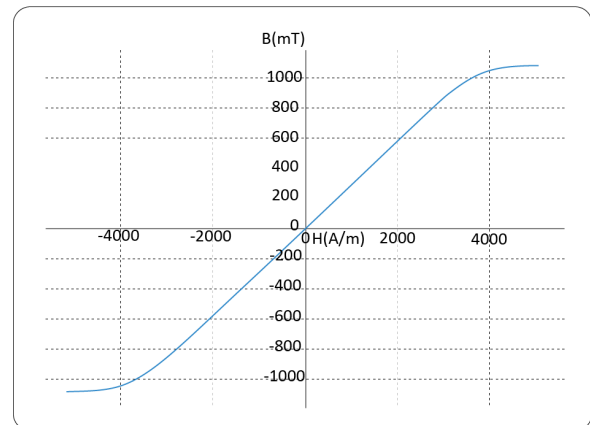
Application :

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

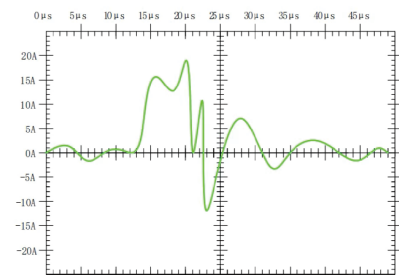


Performance

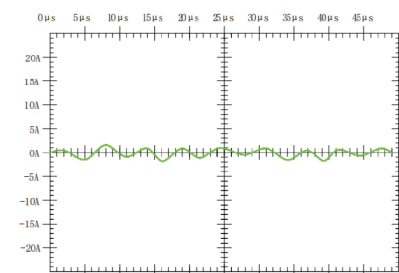
(Relative permeability) μ	200~3000
(High saturation flux density) B_s^* (T)	1.2
λ (Saturation magnetostriction s ($\times 10^{-6}$))	<1
ρ (Electrical resistivity)($\mu\Omega\text{cm}$)	1.1
(Density) d (kg/m^3)	7.35×10^3
(Core loss)(20KHZ, 0.5T)	<15W/KG
(Core loss)(50KHZ, 0.3T)	<20W/KG
(Width) (mm)	5~30
(Thickness) (μm)	18~24
(remanence) B_r (mT)	10
DC-Bais @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.