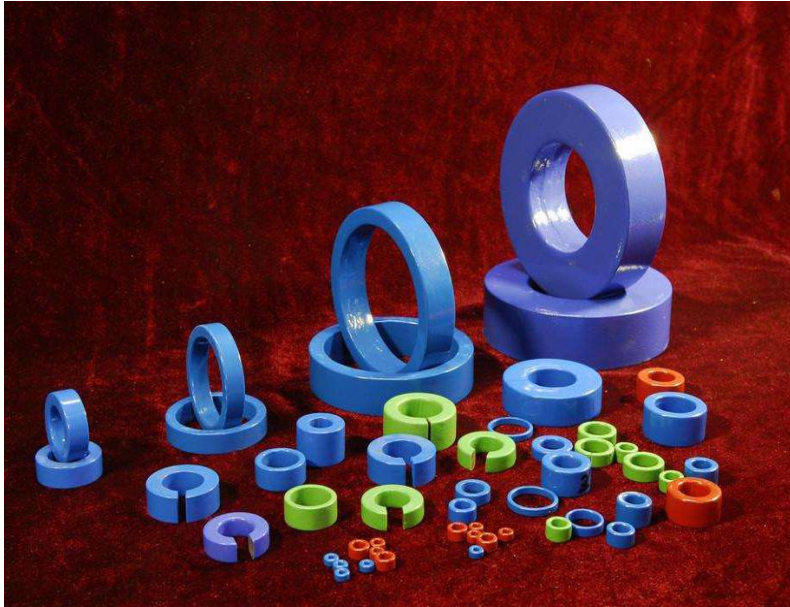
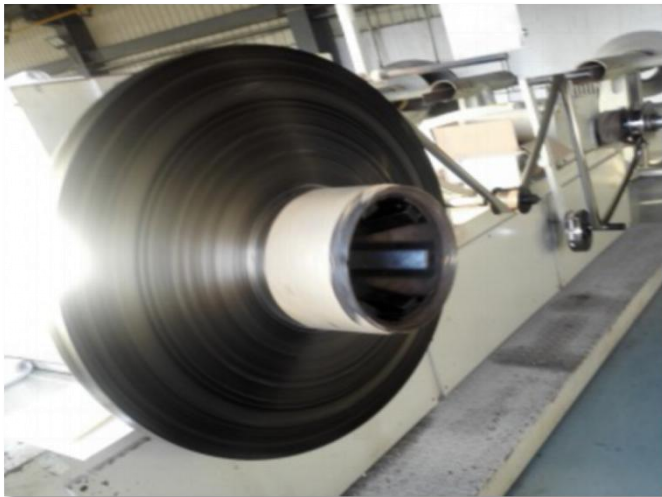


Nanocrystalline cores with high permeability



Permeability	Material	Encapsulation way	Operating Temperature	Application
15000	DNG-1.5W-S	Shell with silicon rubber/ Coating with epoxy	-40~125°C -40~150°C	CMC DMC CT/ZCT HALL SENSOR TRANSFORMER SPIKE KILLER ETC.
30000	DNG-3W-S			
50000	DNG-5W-S			
80000	DNG-8W-S			
150000	DNG-15W-N			



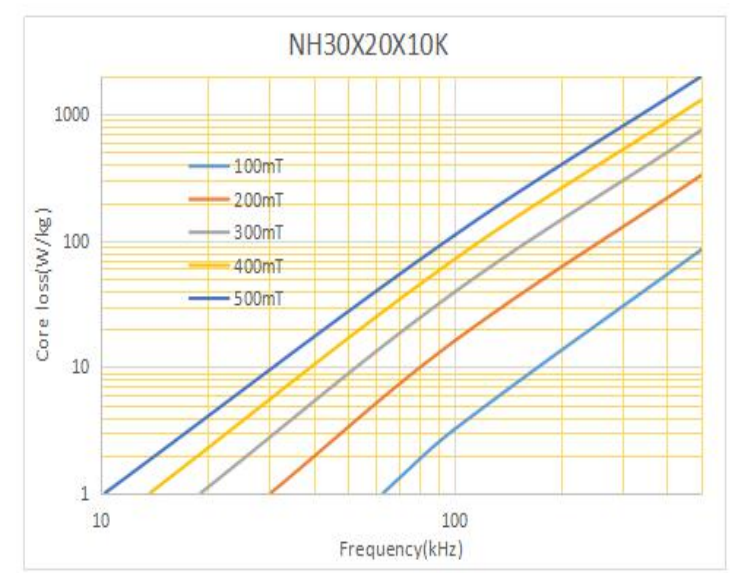
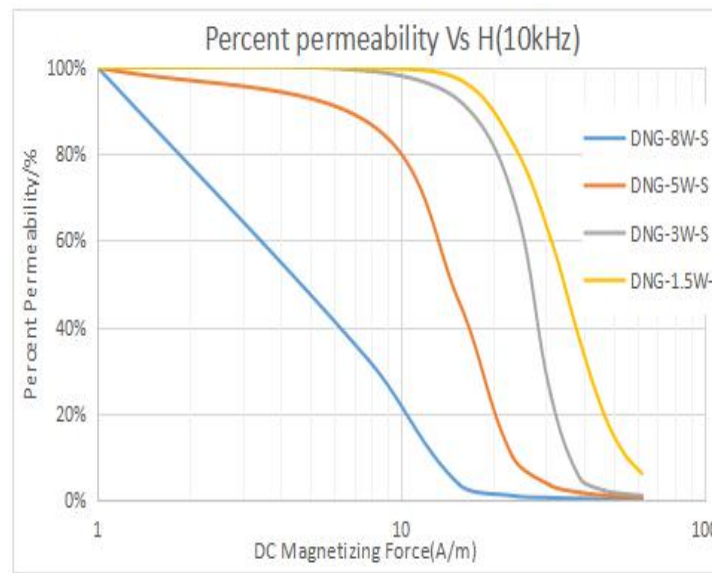
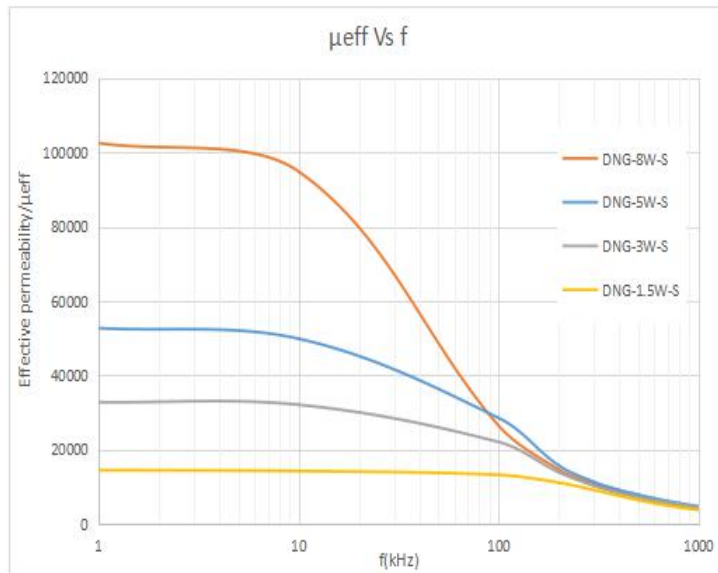
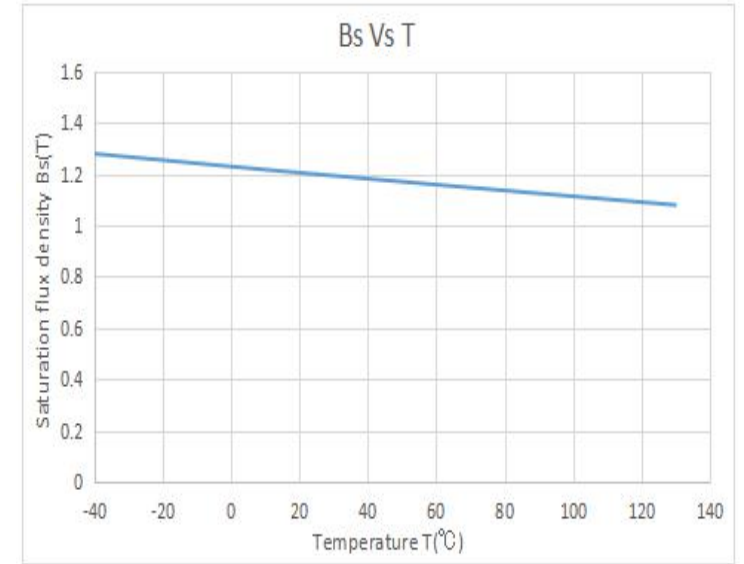
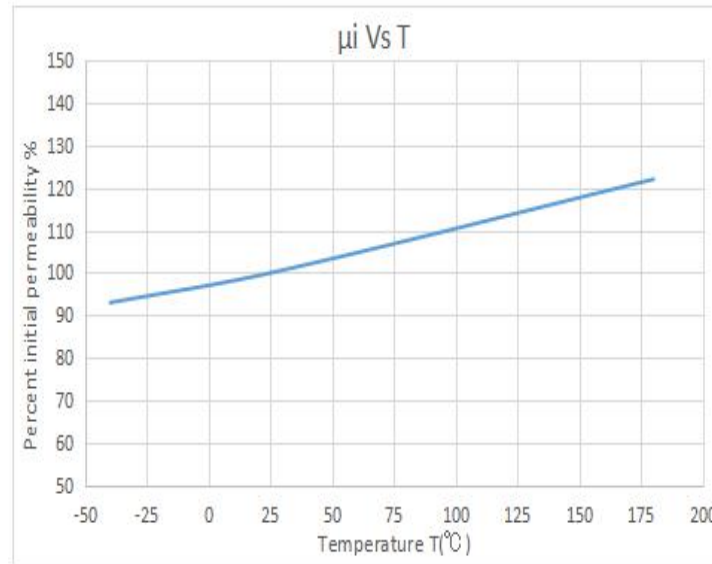
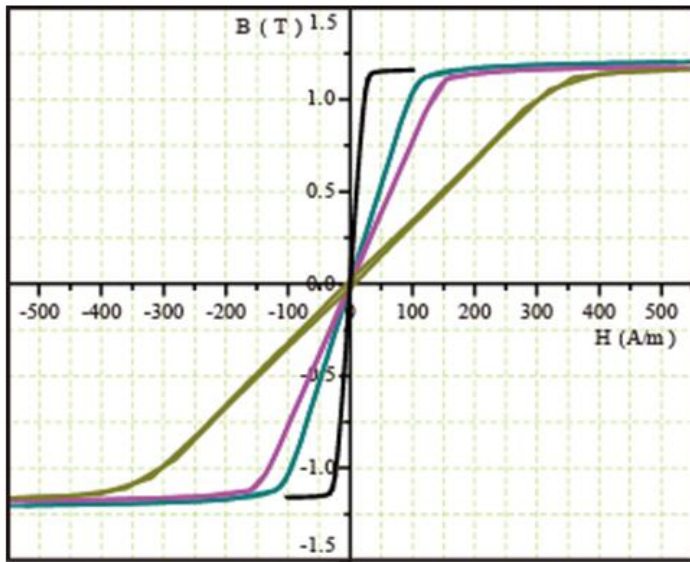
Nanocrystalline cores with high permeability---Characteristic table

特性CHARACTERISTICS	测试条件 CONDITIONS		DNG-1.5W-S	DNG-3W-S	DNG-5W-S	DNG-8W-S	*DNG-15W-N
相对磁导率 μ_{eff} Effective Permeability	f=10kHz B<0.25mT	25°C	15000 ±30%	30000 ±30%	50000 ±30%	80000 ±30%	150000 ±30%
饱和磁感应强度Bs (mT) Saturation Magnetic Flux Density			1250	1250	1250	1250	1250
剩磁Br (mT) Residual Magnetic Flux Density	直流 350A/m	25°C	<100	<200	<450	<800	<800
矫顽力Hc (A/m) Coercive Force			<3	<3	<3	<3	<3
功耗Pv (mW/cm ³) Power Loss	100kHz 200mT	25°C	200	200	200	200	200
		100°C	200	200	200	200	200
居里温度Tc (°C) Curie Temperature	/	/	570	570	570	570	570

Note:

1. *DNG-15W磁导率测试频率为1kHz;

Nanocrystalline cores with high permeability---characteristic curve



Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH9.8X6.5X4.5K	DNG-1.5W-S	4.1	3.8	9.7	6.6	4.5	2.6	0.06	1.0	12.0*5.2*7.0
	DNG-3W-S	8.2	4.9							
	DNG-5W-S	13.7	8.2							
	DNG-8W-S	21.9	6.3							
	DNG-15W-N	41.1	/							
NH12X8X4.5K	DNG-1.5W-S	3.9	3.6	11.8	8.2	4.5	3.1	0.06	1.5	14.0*6.6*6.2
	DNG-3W-S	7.8	4.7							
	DNG-5W-S	13.0	7.8							
	DNG-8W-S	20.7	6.0							
	DNG-15W-N	38.9	/							
NH15X10X4.5K	DNG-1.5W-S	4.3	4.0	15	10	4.5	3.9	0.09	2.5	17.1*7.9*6.5
	DNG-3W-S	8.6	5.2							
	DNG-5W-S	14.4	8.6							
	DNG-8W-S	25.9	6.6							
	DNG-15W-N	43.2	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH15X10X4.5K	DNG-1.5W-S	4.3	4.0	15	10	4.5	3.9	0.09	2.5	17.1*7.9*6.5
	DNG-3W-S	8.6	5.2							
	DNG-5W-S	14.4	8.6							
	DNG-8W-S	25.9	6.6							
	DNG-15W-N	43.2	/							
NH16X10X6K	DNG-1.5W-S	6.6	6.2	16	10	6	4.1	0.14	4.2	17.9*8.1*8.1
	DNG-3W-S	13.3	8.0							
	DNG-5W-S	22.2	13.3							
	DNG-8W-S	35.4	10.2							
	DNG-15W-N	66.5	/							
NH19X15X5K	DNG-1.5W-S	2.8	2.6	19	15	5	5.3	0.08	3.1	21.2*13*7.3
	DNG-3W-S	5.6	3.4							
	DNG-5W-S	9.4	5.6							
	DNG-8W-S	15.1	4.3							
	DNG-15W-N	28.2	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH19X15X10K	DNG-1.5W-S	5.6	5.3	19	15	10	5.3	0.16	6.2	21.2*13*12.3
	DNG-3W-S	11.3	6.8							
	DNG-5W-S	18.8	11.3							
	DNG-8W-S	30.1	8.7							
	DNG-15W-N	56.5	/							
NH20X12.5X8K	DNG-1.5W-S	8.9	8.3	20	12.5	8	5.1	0.24	8.8	22.7*10.2*9.6
	DNG-3W-S	17.7	10.6							
	DNG-5W-S	29.5	17.7							
	DNG-8W-S	47.3	13.6							
	DNG-15W-N	88.6	/							
NH25X20X10K	DNG-1.5W-S	5.3	5.0	25	20	10	7.1	0.2	10.2	27.5*17.6*12.9
	DNG-3W-S	10.7	6.4							
	DNG-5W-S	17.8	10.7							
	DNG-8W-S	28.4	8.2							
	DNG-15W-N	53.3	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH25X16X10K	DNG-1.5W-S	10.5	9.8	25	16	10	6.4	0.36	16.7	27.6*13.85*12.4
	DNG-3W-S	21.1	12.6							
	DNG-5W-S	35.1	21.1							
	DNG-8W-S	56.2	16.2							
	DNG-15W-N	105.4	/							
NH30X20X10K	DNG-1.5W-S	9.6	9.0	30	20	10	7.9	0.4	22.6	33.2*18.1*13.4
	DNG-3W-S	19.2	11.5							
	DNG-5W-S	32.0	19.2							
	DNG-8W-S	51.2	14.7							
	DNG-15W-N	96.0	/							
NH30X20X15K	DNG-1.5W-S	14.4	13.4	30	20	15	7.9	0.6	33.9	32.7*17.6*17.6
	DNG-3W-S	28.8	17.3							
	DNG-5W-S	48.0	28.8							
	DNG-8W-S	76.8	22.1							
	DNG-15W-N	/	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH40X25X15K	DNG-1.5W-S	16.6	15.5	40	25	15	10.2	0.88	64.5	43.9*21.5*18.8
	DNG-3W-S	33.2	19.9							
	DNG-5W-S	55.4	33.2							
	DNG-8W-S	88.6	25.5							
	DNG-15W-N	/	/							
NH40X32X15K	DNG-1.5W-S	8.0	7.5	40	32	15	11.3	0.47	38.1	45.1*28.5*18.5
	DNG-3W-S	16.0	9.6							
	DNG-5W-S	26.7	16.0							
	DNG-8W-S	42.7	12.3							
	DNG-15W-N	/	/							
NH45X30X15K	DNG-1.5W-S	14.4	13.4	45	30	15	11.8	0.88	74.4	48.0*27.5*17.5
	DNG-3W-S	28.8	17.3							
	DNG-5W-S	48.0	28.8							
	DNG-8W-S	76.8	22.1							
	DNG-15W-N	/	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH50X40X20K	DNG-1.5W-S	10.7	10.0	50	40	20	14.1	0.78	79.4	55*35.8*24.1
	DNG-3W-S	21.3	12.8							
	DNG-5W-S	35.6	21.3							
	DNG-8W-S	56.9	16.4							
	DNG-15W-N	/	/							
NH63X50X25K	DNG-1.5W-S	13.8	12.9	63	50	25	17.7	1.27	162	68.4*47*28.4
	DNG-3W-S	27.6	16.6							
	DNG-5W-S	46.0	27.6							
	DNG-8W-S	73.6	21.2							
	DNG-15W-N	/	/							
NH80X50X20K	DNG-1.5W-S	22.2	20.7	80	50	20	20.4	2.28	335.2	83.8*46.8*24.9
	DNG-3W-S	36.9	26.6							
	DNG-5W-S	73.8	39.9							
	DNG-8W-S	106.3	30.6							
	DNG-15W-N	/	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH90X60X20K	DNG-1.5W-S	19.2	17.9	90	60	20	23.6	2.28	386.8	94.4*55.1*23.8
	DNG-3W-S	32.0	23.0							
	DNG-5W-S	64.0	34.6							
	DNG-8W-S	92.2	26.5							
	DNG-15W-N	/	/							
NH102X76X25K	DNG-1.5W-S	17.5	16.4	102	76	25	28	2.41	484.2	107.6*70*30
	DNG-3W-S	29.2	21.0							
	DNG-5W-S	58.4	31.6							
	DNG-8W-S	84.1	24.2							
	DNG-15W-N	/	/							
NH100X80X25K	DNG-1.5W-S	13.3	12.4	100	80	25	28.3	1.85	376.6	105.2*74.8*29.3
	DNG-3W-S	22.2	16.0							
	DNG-5W-S	44.4	24.0							
	DNG-8W-S	64.0	18.4							
	DNG-15W-N	/	/							

Nanocrystalline cores with high permeability--- catalog

产品名称	材质	AL($\mu\text{H}/\text{N}^2$) 10kHz 0.25V	AL($\mu\text{H}/\text{N}^2$) 100kHz 0.25V	裸磁芯						装壳磁芯
				OD (mm)	ID (mm)	HT (mm)	Lm (cm)	Ac (cm ²)	mass (g)	OD*ID*HT(mm)
NH160X130X25K	DNG-1.5W-S	12.4	11.6	160	130	25	45.6	2.78	910.2	166.9*123.9*30.5
	DNG-3W-S	20.7	14.9							
	DNG-5W-S	41.4	22.3							
	DNG-8W-S	59.6	17.1							
	DNG-15W-N	/	/							

Note:

- 1、10kHz电感量的公差为 $\pm 30\%$;
- 2、100kHz电感量的公差为 $\pm 25\%$;
- 3、“/”代表暂无此规格。