



# 秦皇岛市燕秦纳米科技有限公司

Qinhuangdao Yanqin Nano Science and Technology Co., Ltd.

## High Inductance YN-NT-C-NL-G Series Nanocrystalline Core for Common Mode Choke

P/N Part Number	Core Dimension	Case Dimension			Cross Section	Path Length	G	A <sub>L</sub> nominal		Saturation Current, I <sub>sat</sub>	
	d <sub>a</sub> x d <sub>i</sub> x h	D <sub>a</sub>	D <sub>i</sub>	H	A <sub>Fe</sub>	l <sub>Fe</sub>	m <sub>Fe</sub>	10 kHz	100 kHz	10	100
	mm	mm	mm	mm	cm <sup>2</sup>	cm	g	μH		A	
								Permeability			
YN-NT-C-NL100705G	9.8 x 6.5 x 5.0	11.8	5	6.8	0.07	2.6	1.25	30.2	6.4	0.2	0.4
YN-NT-C-NL120805G	12 x 8.0 x 5.0	14.4	6.4	7.2	0.08	3.14	2	93K	20K	0.2	0.4
YN-NT-C-NL161008G	16 x 10 x 8.0	17.8	8.6	10	0.19	4.1	5.6	28.5	6.2	0.3	0.6
YN-NT-C-NL201208G	20 x 12 x 8.0	22.5	10	10	0.25	5.03	9	93K	20K	0.4	0.7
YN-NT-C-NL201210G	20 x 12 x 10	22.6	10.3	10.2	0.24	5.1	11.3	71.7	15.4	0.4	0.7
YN-NT-C-NL211508G	21 x 15 x 8.0	23.6	12.6	10	0.18	5.65	7.62	93K	20K	0.35	0.5
YN-NT-C-NL211510G	21 x 15 x 10	23.6	12.6	12.8	0.23	5.65	9.53	37	8.2	0.4	0.7
YN-NT-C-NL252010G	25 x 20 x 10	27.6	17.4	12.8	0.2	7.1	10.4	90K	20K	0.6	1.1
YN-NT-C-NL251610G	25 x 16 x 10	27.9	13.6	12.5	0.36	6.4	17	46.2	10.3	0.4	0.9
YN-NT-C-NL261610G	26 x 16 x 10	29.0	13.6	12.5	0.38	6.6	17	90K	20K	0.6	1.3
YN-NT-C-NL302010G	30 x 20 x 10	32.8	17.6	12.5	0.40	7.9	23	67.5	14.6	0.7	1.4
YN-NT-C-NL322010G	32 x 20 x 10	34.5	17.0	12.6	0.46	8.2	28	96.8K	22.9K	0.5	1
YN-NT-C-NL322015G	32 x 20 x 15	34.6	17.0	18.2	0.69	8.2	42	55.5	12.3	0.5	1.1
YN-NT-C-NL281815G	28 x 18 x 15	30.2	15.8	18.5	0.60	7.22	32	90K	20K	0.6	1.3
YN-NT-C-NL403215G	40 x 32 x 15	43.1	28.7	18.5	0.46	11.3	38	93.5	22.1	0.8	1.5
YN-NT-C-NL402515G	40 x 25 x 15	43.1	22.5	18.5	0.86	10.2	64	93K	22.0	0.7	1.4
YN-NT-C-NL462715G	46 x 27 x 15	48.4	24.4	18.5	1.11	11.8	92	47.2	11.1		
YN-NT-C-NL462720G	46 x 27 x 20	48.4	24.4	23.8	1.46	11.5	122	91.9K	21.6K		
YN-NT-C-NL462725G	46 x 27 x 25	48.4	24.4	29.1	1.82	11.5	153	101	23.1		
YN-NT-C-NL503215G	46 x 27 x 30	48.4	24.4	34.6	1.82	11.5	185	94.4K	21.6K		
YN-NT-C-NL503215G	50 x 32 x 15	53.5	29	18.5	1.04	12.9	98	108	25.4		
YN-NT-C-NL503220G	50 x 32 x 20	53.5	29	23.8	1.38	12.9	130	90K	21K		
YN-NT-C-NL504020G	50 x 40 x 20	53.5	36.3	23.4	0.76	14.1	79	143	37.0	1.1	2.4
YN-NT-C-NL644020G	64 x 40 x 20	63.3	36.3	23.5	1.85	16.3	220	90K	23K		
YN-NT-C-NL655025G	65 x 50 x 25	67.3	46.5	28.6	1.24	17.8	161	180	48.2		
YN-NT-C-NL805020G	80 x 50 x 20	86	44.7	25.7	2.28	20.4	342	90K	24K		
YN-NT-C-NL906020G	90 x 60 x 20	95.4	54.7	24.7	2.28	23.6	395	216	58.1		
YN-NT-C-NL1008020G	100 x 80 x 20	105.5	75	24.8	1.54	28.3	379	90K	24K		
YN-NT-C-NL1027625G	102 x 76 x 25	108.1	70	30.3	2.50	28.0	508	86.2	22.2		
YN-NT-C-NL13010030G	130 x 100 x 30	136	94	36	3.5	36	920	85K	22K		
YN-NT-C-NL16013025G	160 x 130 x 25	166.9	123.9	31	2.89	46	970	115	30		
YN-NT-C-NL17012025G	170 x 120 x 25	178	112	32	2.89	46	1600	85K	22K		
YN-NT-C-NL20016030G	200 x 160 x 30	207	153	37	4.62	57	1800	55	15	1.1	2.4
								80K	22K		
								114	31.4		
								80K	22K		
								80.0	23	1.4	3
								80K	23K		
								114	32.8		
								80K	23K		
								98	28.4		
								80K	23K		
								55	14.4		
								80K	21K		
								90	25.9		
								80K	23K		
								96	28		
								80K	23K		
								64.0	18.3		
								80K	23K		
								106	30.5		
								80K	23K		
								82	25.5		
								80K	23K		

1) AL at 10 kHz has a tolerance at +40 % / -30 % of nominal value, AL at 100 kHz has a tolerance at +30 % / -25 % of nominal value.

2) I<sub>sat</sub> is a calculated value for saturation current when B<sub>m</sub> is at 70% of saturation flux density for core at room temperature.

Add: High-tech Venture Base, No. 47 Zhujiang Road, Qinhuangdao Development Zone

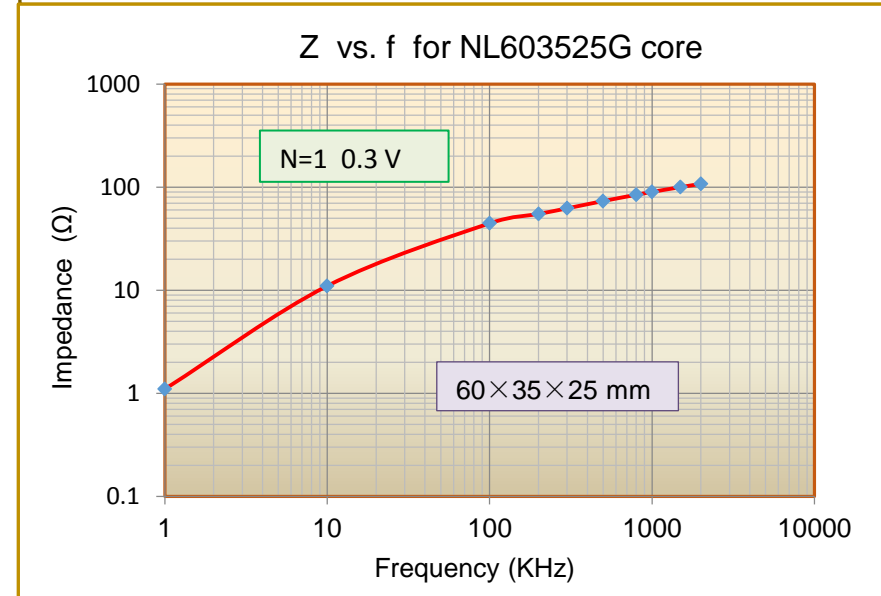
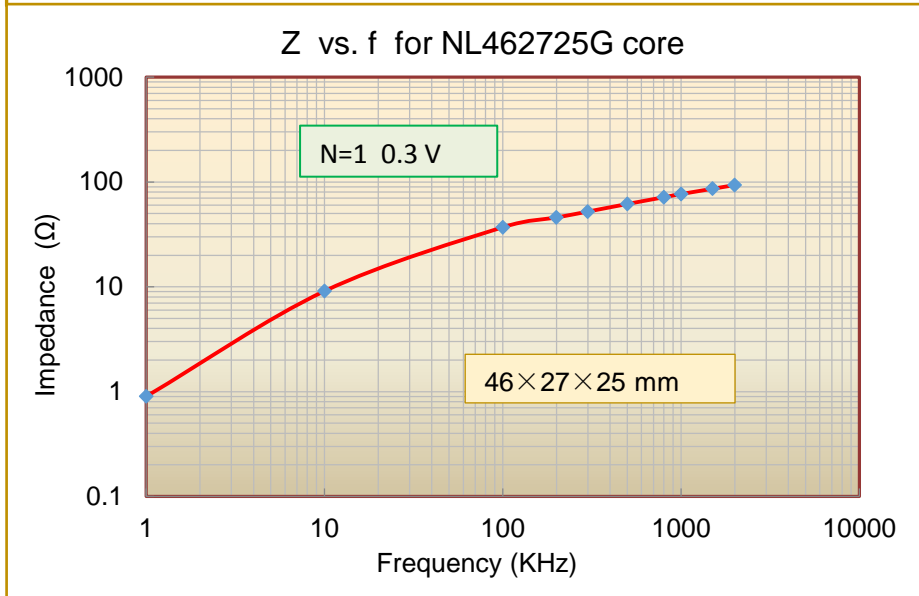
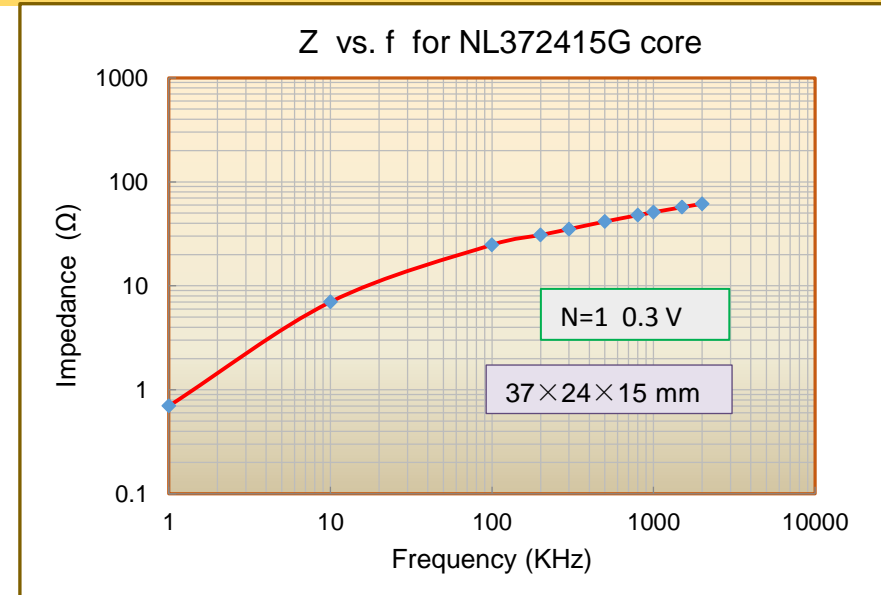
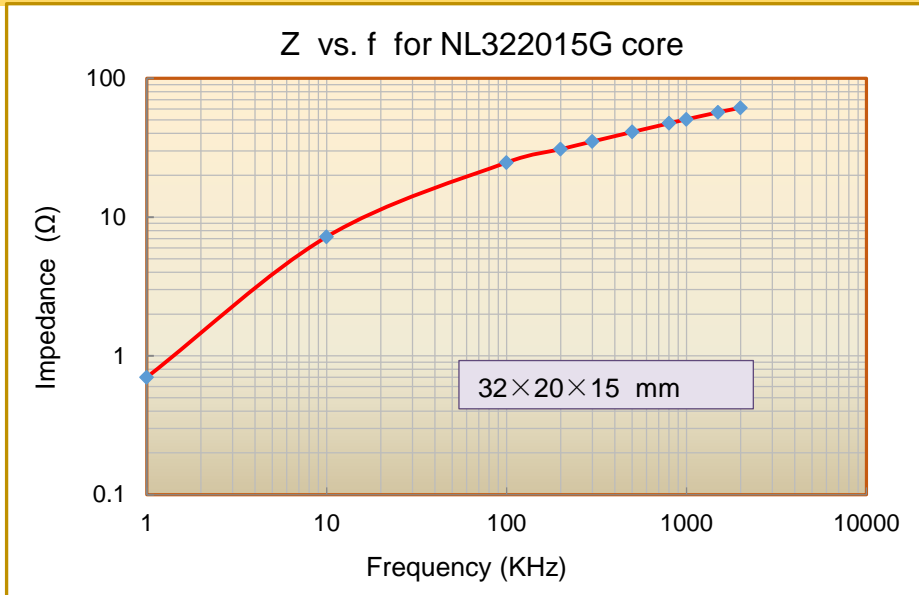
Http://www.yanqin.com

Tel: 0335-8056776



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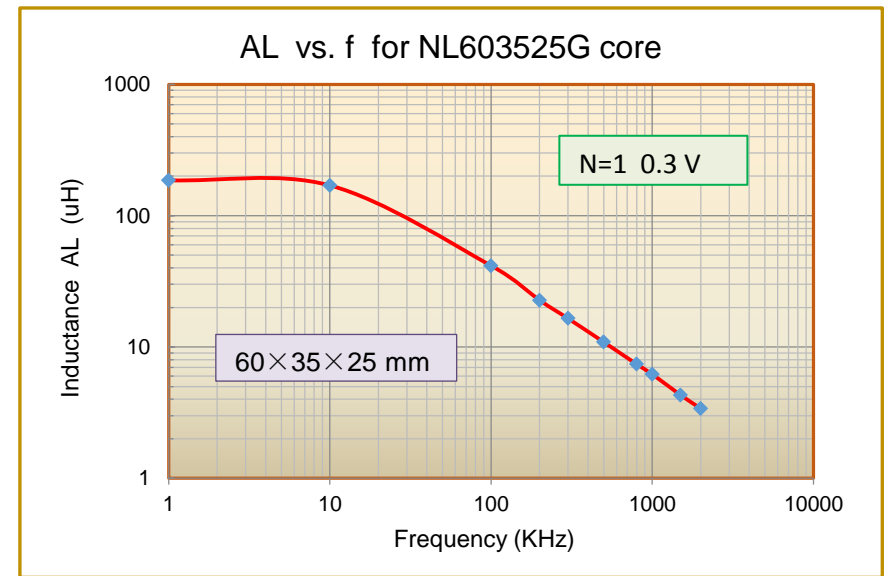
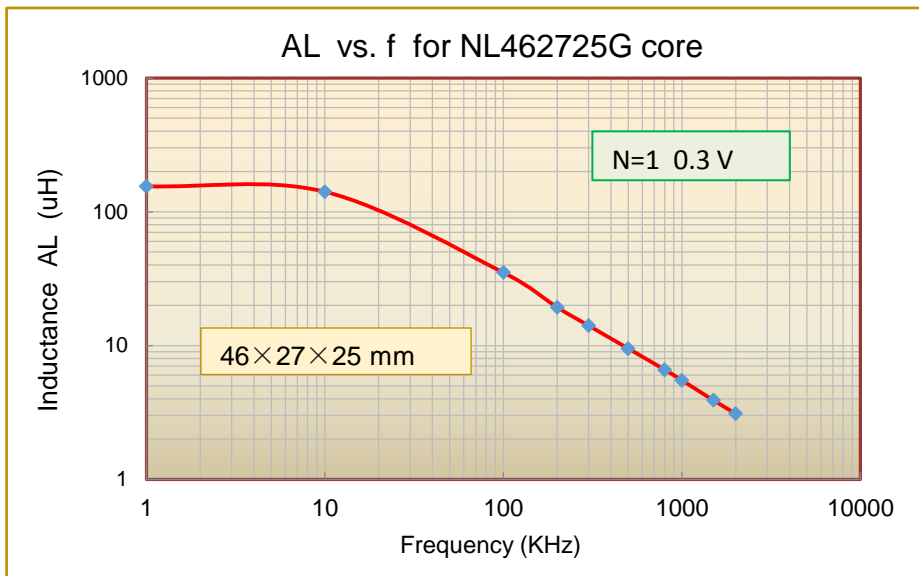
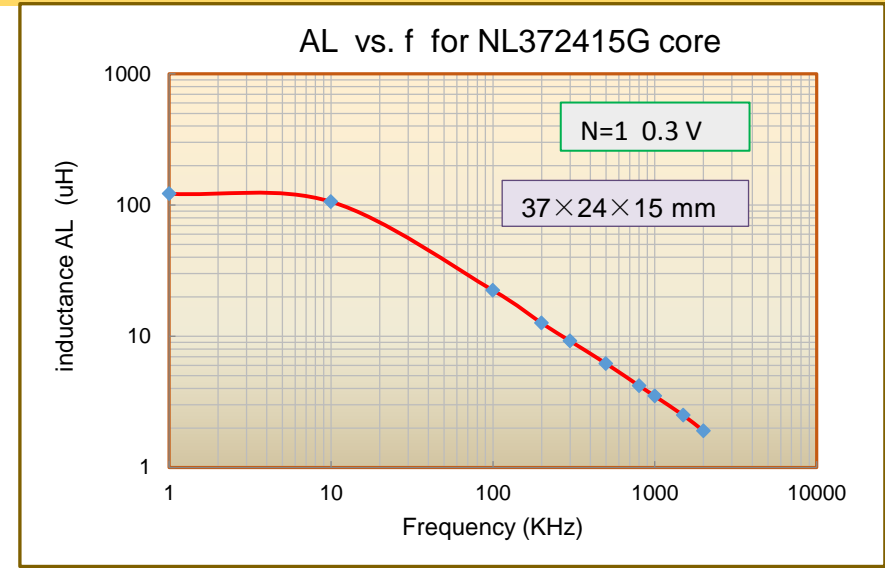
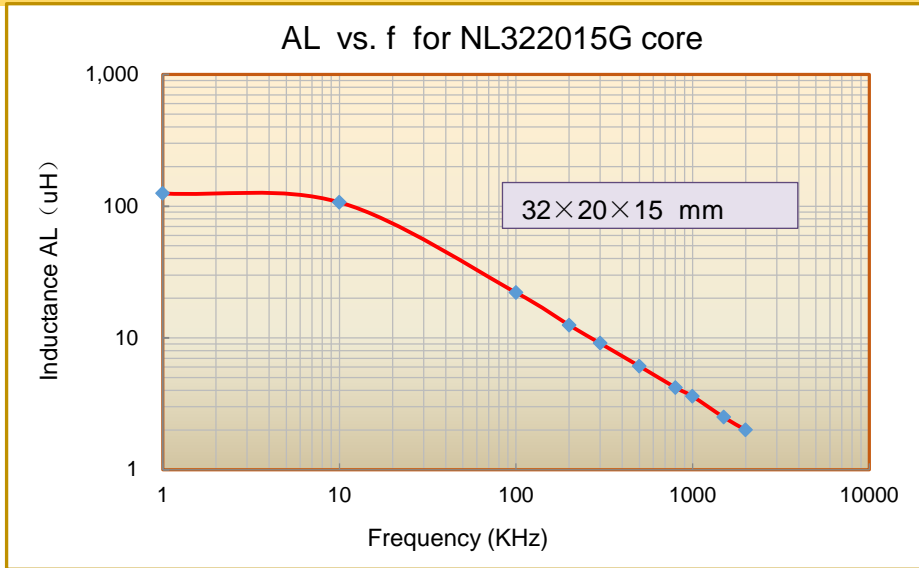
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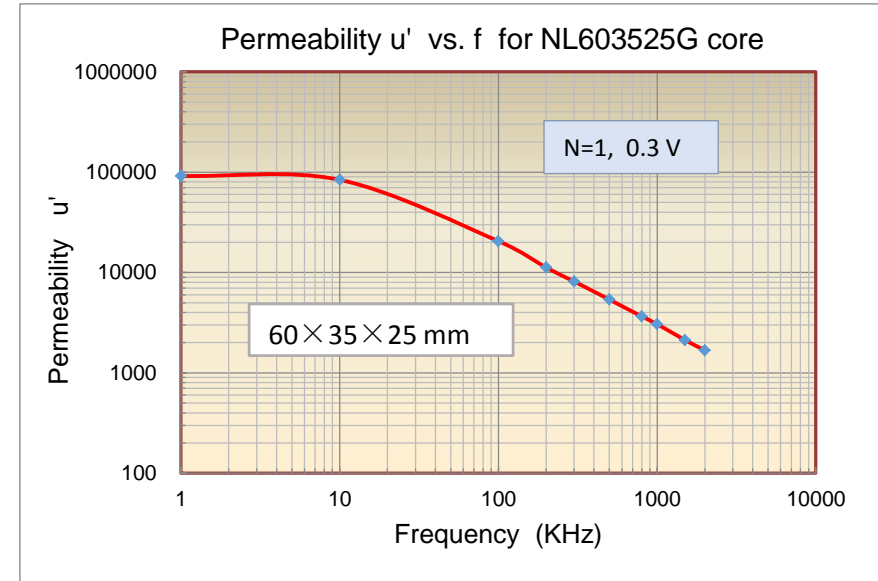
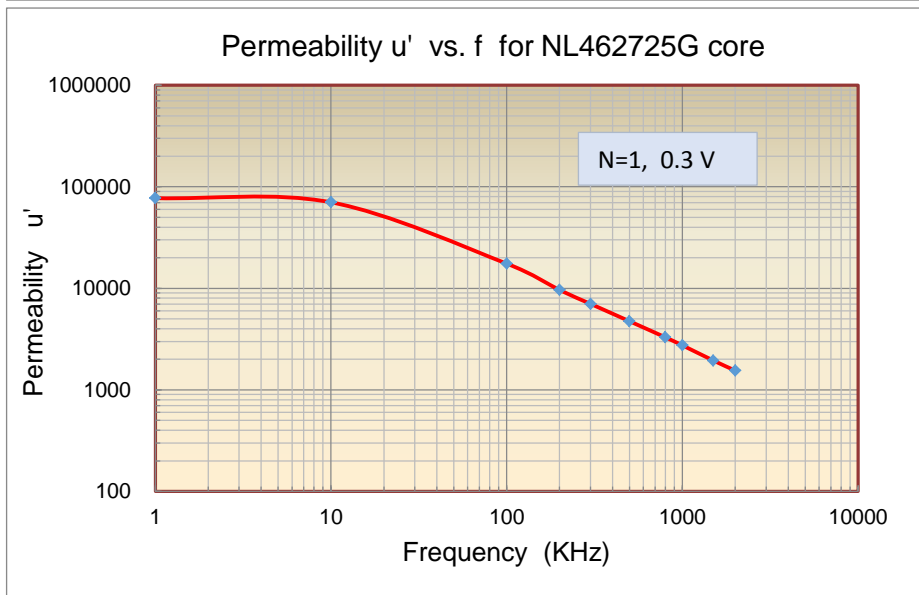
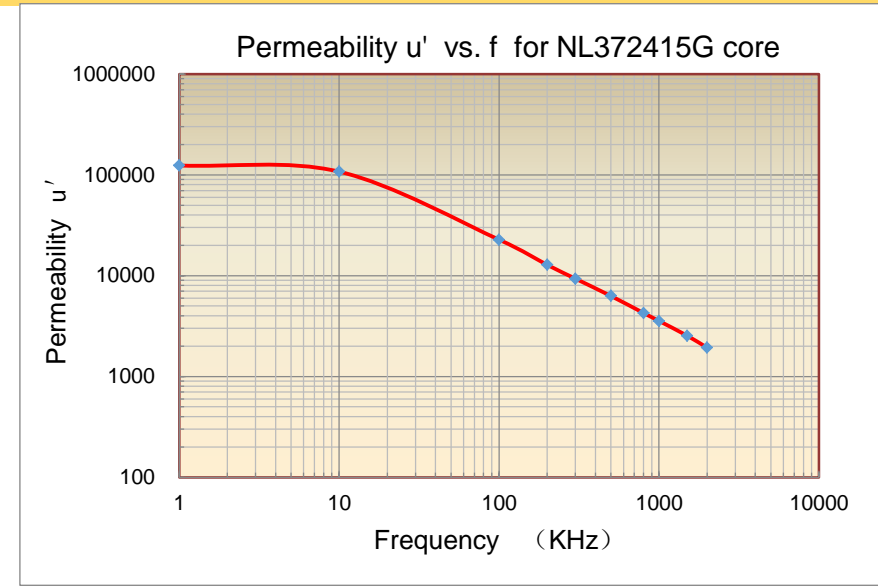
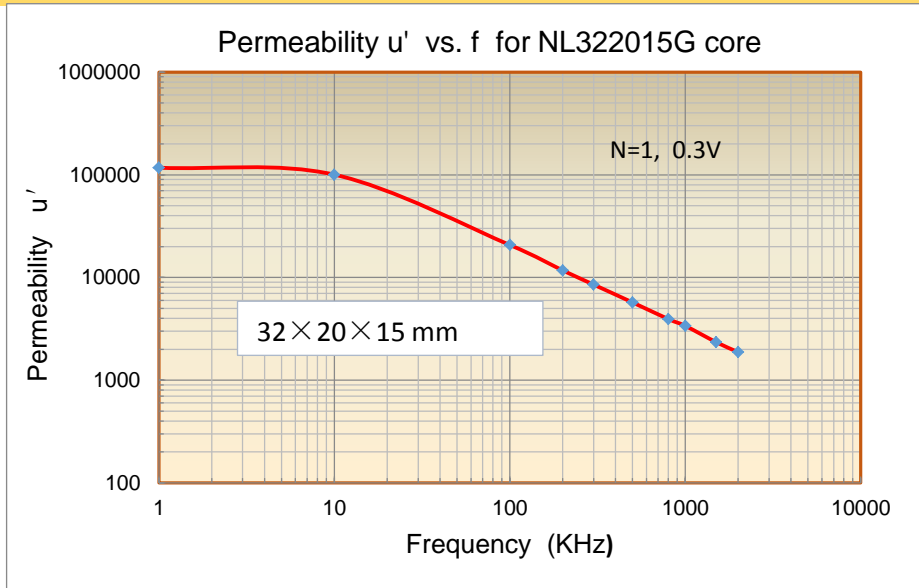
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