



秦皇岛市燕秦纳米科技有限公司

Qinhuangdao Yanqin Nano Science and Technology Co., Ltd.

高电感YN-NT-C-NL-G纳米晶共模磁芯系列

P/N Part Number	Core Dimension	Case Dimension			Cross Section	Path Length	G	A _L nominal		Saturation Current, I _{sat}	
	d _a x d _i x h	D _a	D _i	H	A _{Fe}	l _{Fe}	m _{Fe}	10 kHz	100 kHz	10	100
	mm	mm	mm	mm	cm ²	cm	g	μH		A	
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	96.8K	22.9K	0.7	1.4
YN-NT-C-NL322010G	32 x 20 x 10	34.5	17.0	12.6	0.46	8.2	28	67.5	14.6	0.5	1
YN-NT-C-NL322015G	32 x 20 x 15	34.6	17.0	18.2	0.69	8.2	42	92K	20K	0.5	1.1
YN-NT-C-NL281815G	28 x 18 x 15	30.2	15.8	18.5	0.60	7.22	32	55.5	12.3	0.6	1.3
YN-NT-C-NL403215G	40 x 32 x 15	43.1	28.7	18.5	0.46	11.3	38	90K	20K	0.8	1.5
YN-NT-C-NL402515G	40 x 25 x 15	43.1	22.5	18.5	0.86	10.2	64	64.2	15.0	0.7	1.4
YN-NT-C-NL462715G	46 x 27 x 15	48.4	24.4	18.5	1.11	11.8	92	90K	21K		
YN-NT-C-NL462720G	46 x 27 x 20	48.4	24.4	23.8	1.46	11.5	122	101	23.1		
YN-NT-C-NL462725G	46 x 27 x 25	48.4	24.4	29.1	1.82	11.5	153	94.4K	21.6K		
YN-NT-C-NL503215G	46 x 27 x 30	48.4	24.4	34.6	1.82	11.5	185	108	25.4		
YN-NT-C-NL503215G	50 x 32 x 15	53.5	29	18.5	1.04	12.9	98	90K	24K		
YN-NT-C-NL503220G	50 x 32 x 20	53.5	29	23.8	1.38	12.9	130	86.2	22.2		
YN-NT-C-NL504020G	50 x 40 x 20	53.5	36.3	23.4	0.76	14.1	79	85K	22K	1.1	2.4
YN-NT-C-NL644020G	64 x 40 x 20	63.3	36.3	23.5	1.85	16.3	220	115	30		
YN-NT-C-NL655025G	65 x 50 x 25	67.3	46.5	28.6	1.24	17.8	161	80K	22K	1.4	3
YN-NT-C-NL805020G	80 x 50 x 20	86	44.7	25.7	2.28	20.4	342	114	32.8		
YN-NT-C-NL906020G	90 x 60 x 20	95.4	54.7	24.7	2.28	23.6	395	80K	23K		
YN-NT-C-NL1008020G	100 x 80 x 20	105.5	75	24.8	1.54	28.3	379	98	28.4		
YN-NT-C-NL1027625G	102 x 76 x 25	108.1	70	30.3	2.50	28.0	508	80K	23K		
YN-NT-C-NL13010030G	130 x 100 x 30	136	94	36	3.5	36	920	55	14.4		
YN-NT-C-NL16013025G	160 x 130 x 25	166.9	123.9	31	2.89	46	970	80K	21K		
YN-NT-C-NL17012025G	170 x 120 x 25	178	112	32	2.89	46	1600	90	25.9		
YN-NT-C-NL20016030G	200 x 160 x 30	207	153	37	4.62	57	1800	80K	23K		

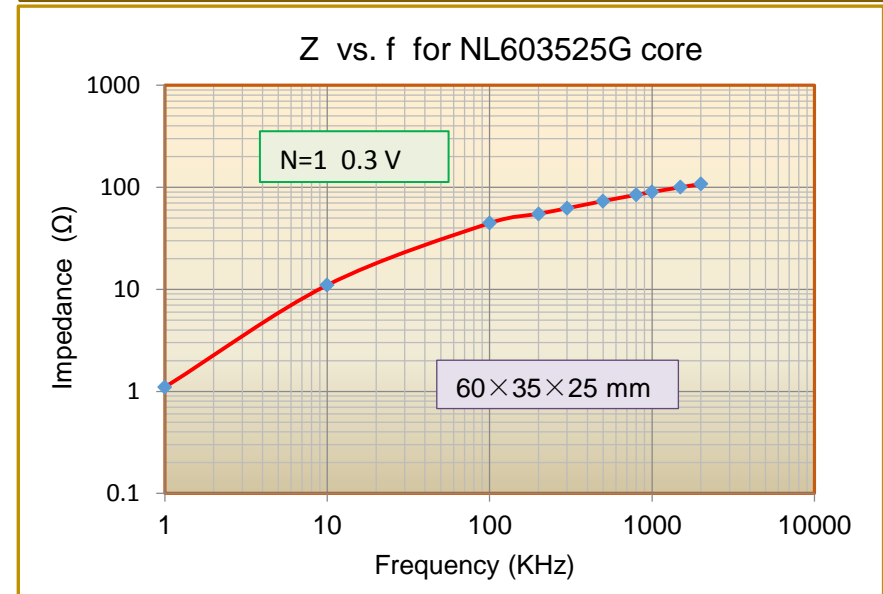
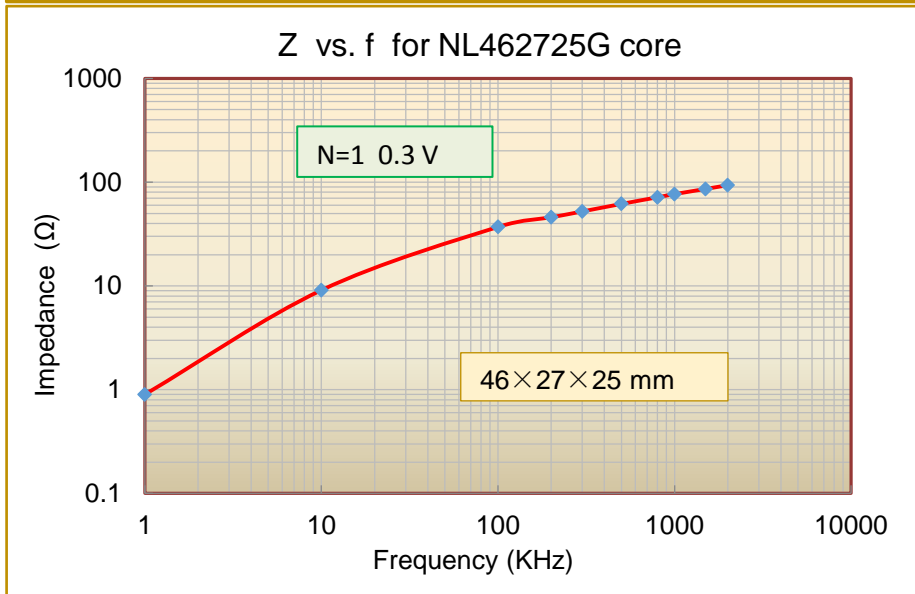
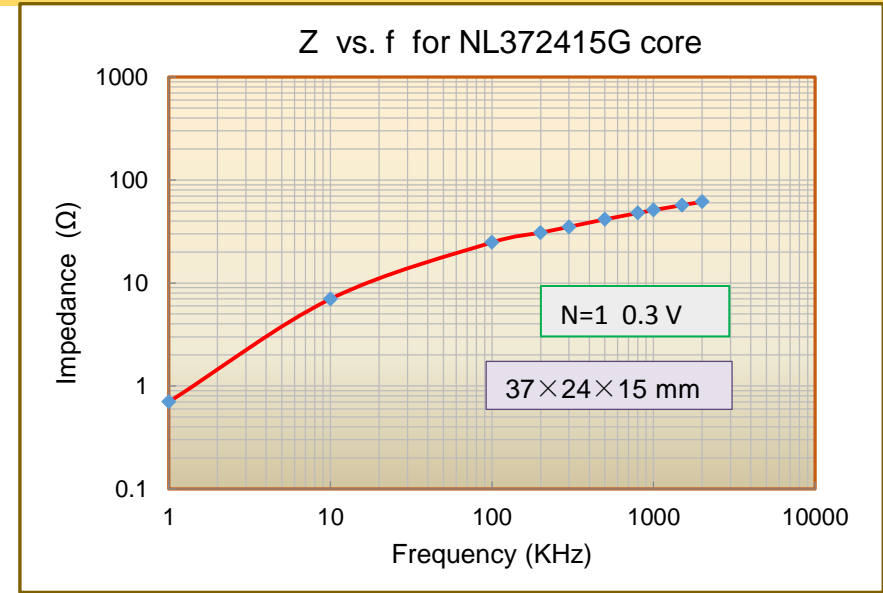
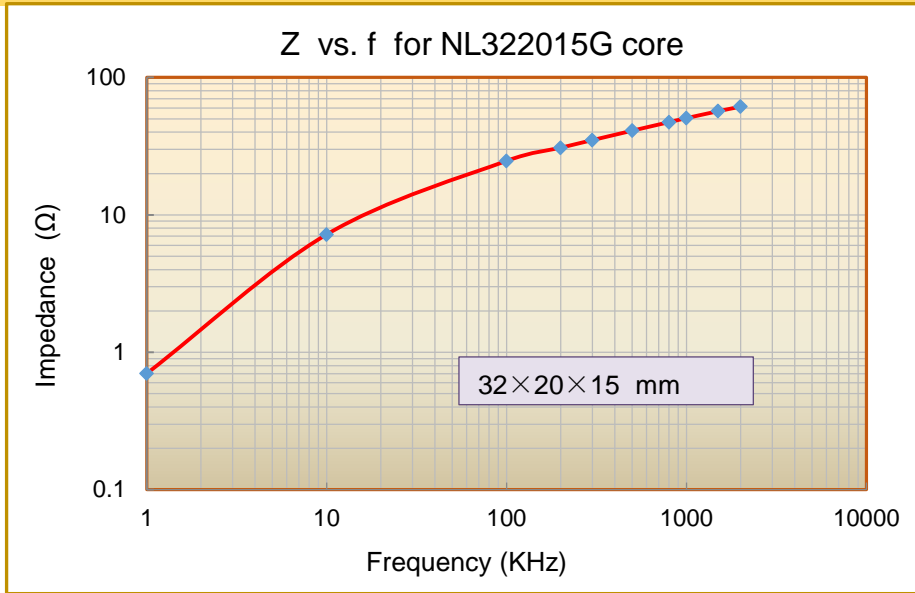
1) 每匝电感量AL值 (10KHz) 的误差范围是中间值 (nominal) 的+40% / -30%, AL值 (100KHz) 的误差范围是中间值 (nominal) 的+30% / -25%。

2) I_{cm}表示饱和电流值, 是计算值, 是由该规格磁芯在室温DC偏流条件下, 使饱和磁感B_m值降至70%时的DC偏流电流值, 仅供参考



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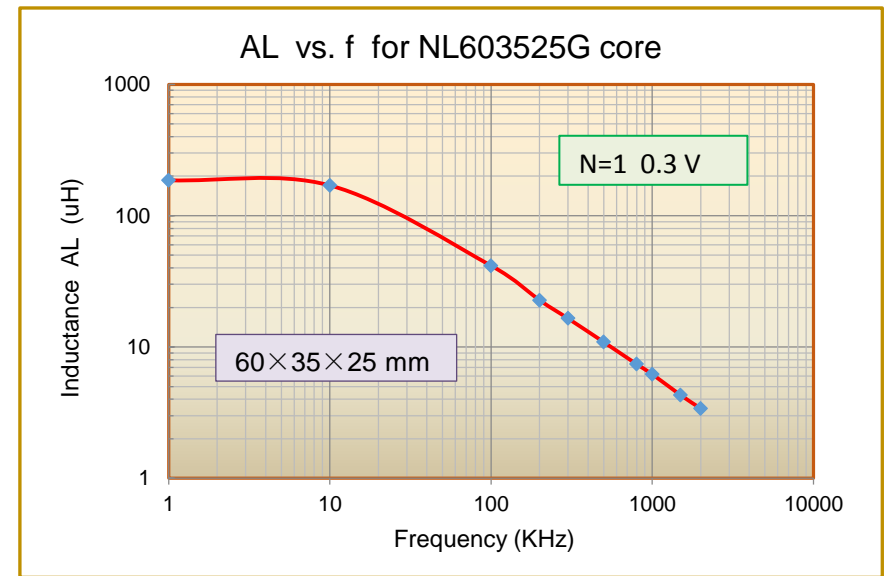
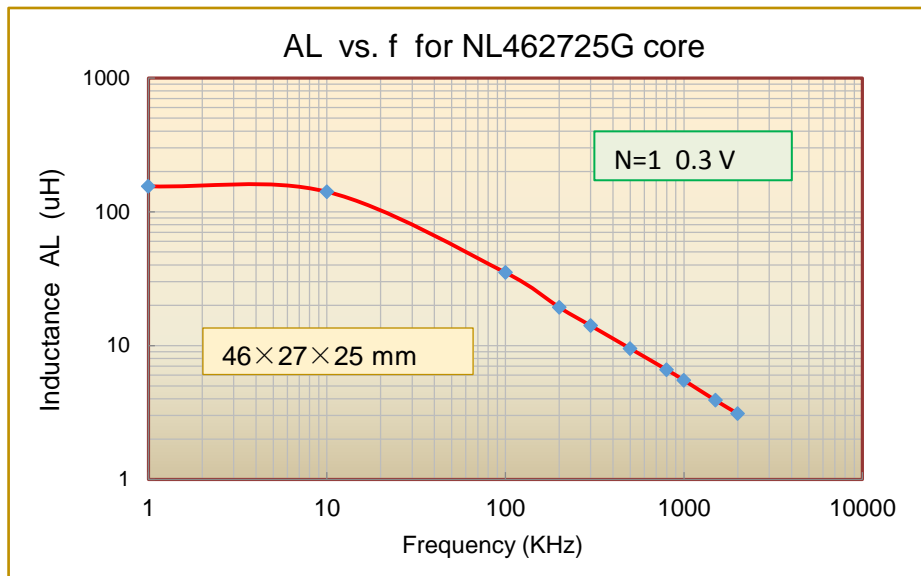
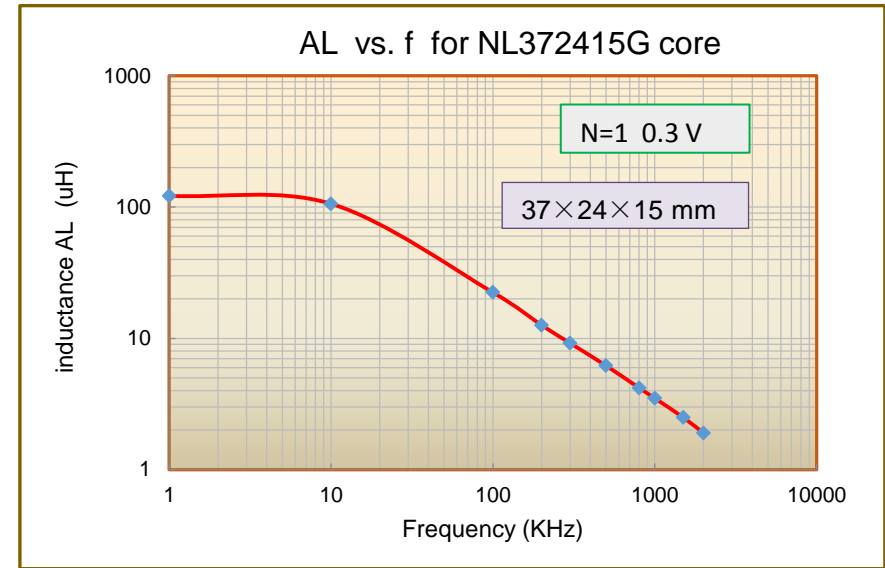
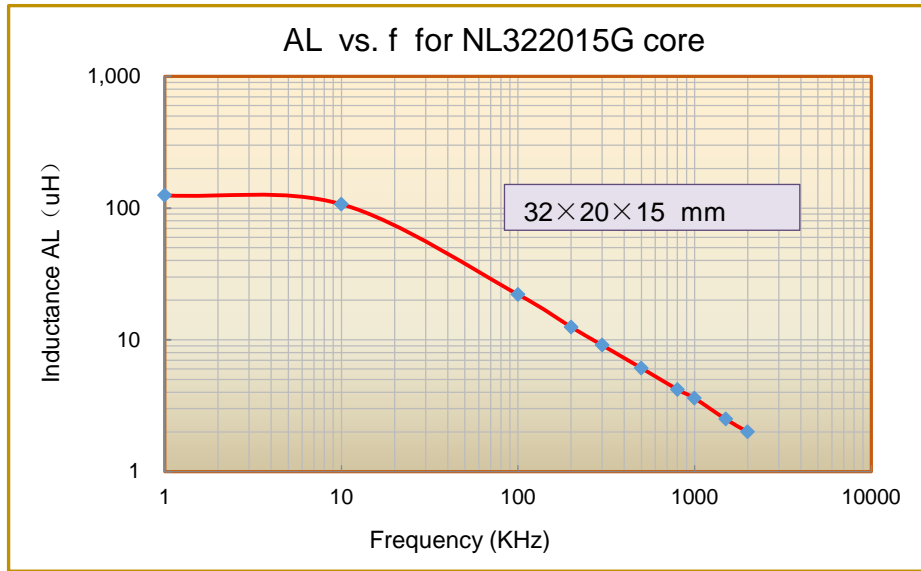
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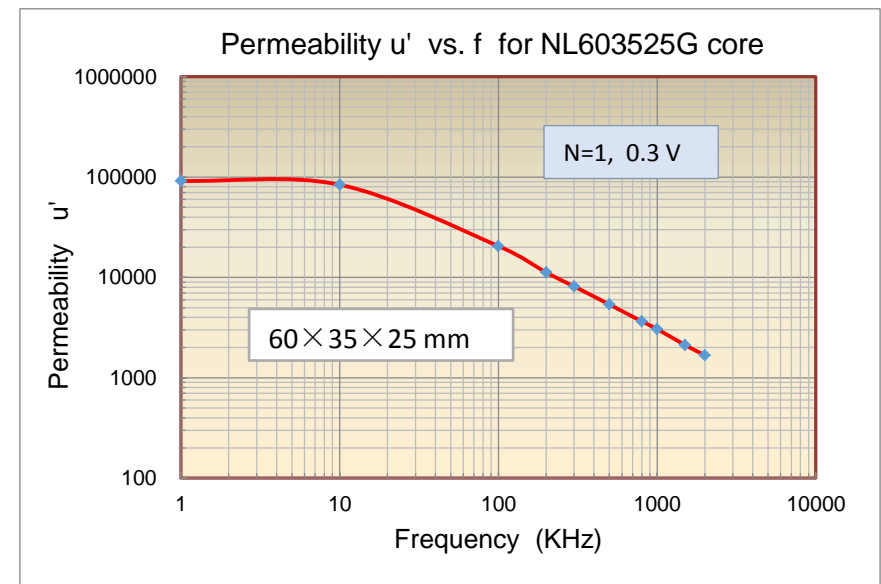
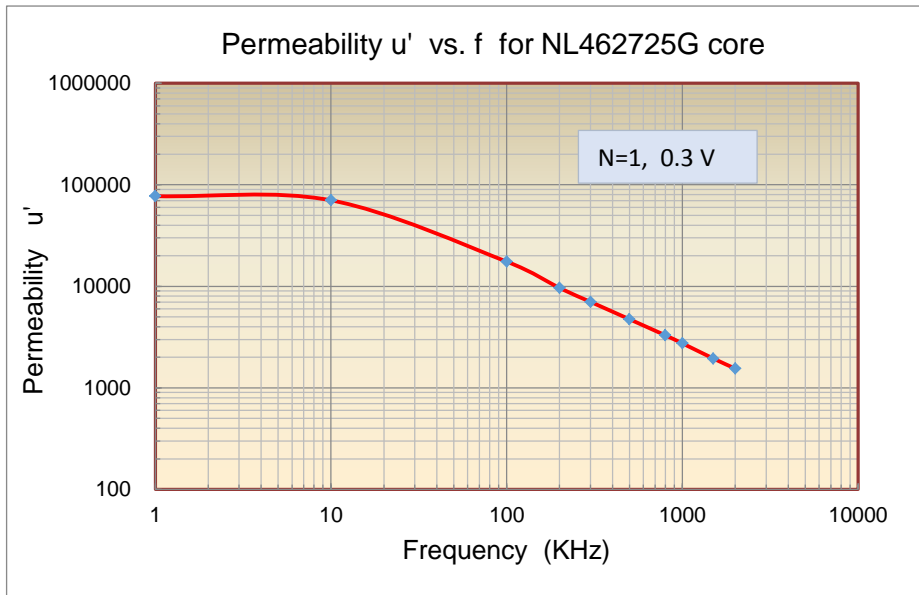
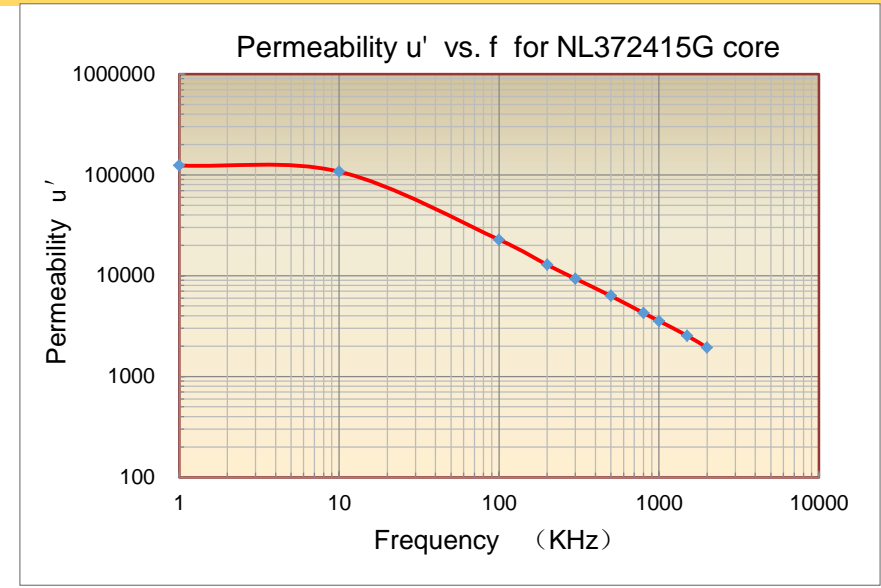
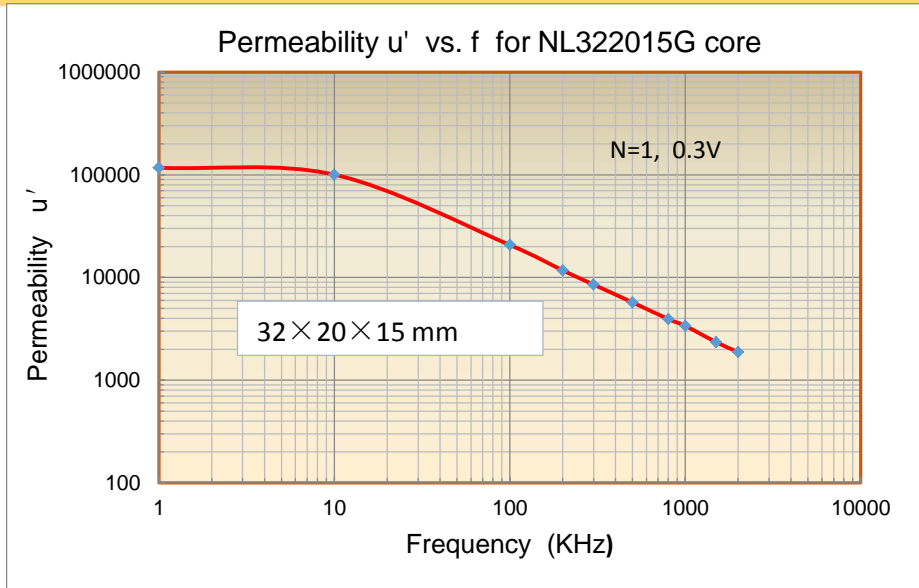
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