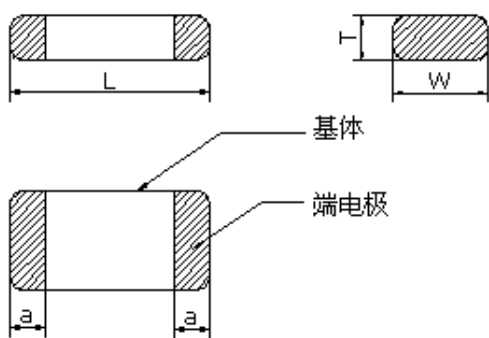




CH Series Specification

1 Scope: This specification applies to MULTILAYER CHIP FERRITE BEADS

2 Shape And Dimensions



Type	Dimensions in mm			
	L	W	T	a ₁ , a ₂
CH1005	1.00±0.15	0.50±0.15	0.50±0.15	0.25±0.10
CH1608	1.6±0.15	0.80±0.15	0.80±0.15	0.30±0.20
CH2012	2.0 ^{+0.3} _{-0.1}	1.25±0.20	0.85±0.20	0.4±0.20
			1.0 ^{+0.2} _{-0.3}	

3 Part Numbering: Product Identification

CH 1608 H 5N6 S T (f)

① ② ③ ④ ⑤ ⑥ ⑦

- (1) Product symbol 系列代号:
- (2) Dimensions 尺寸: Length 长 (L) × Width 宽 (W)
- (3) Material code 材料代号: H
- (4) Inductance 电感量: 5N6: 5.6nH; 22N: 22nH; R10: 100nH
- (5) Tolerance 允许偏差: S: ±0.3nH D: ±0.5nH J: ±5% K: ±10%
- (6) Packing style 包装方式: B: Bulk 散装; T: Tape and reel 载带盘装
- (7) Leadfree products 无铅产品: 据客户要求

4 Test Equipment

- ☐ HP4287A PACKED RF LCR METER;
- ☐ HP4338B MILLIOHM METER;
- ☐ CHEN HUA 502BC OHM METER;
- ☐ E4991A RF IMPEDANCE ANALYZER.

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5 Rating

Operating Temperature (使用温度): $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$
Storage Temperature (储存温度): $40^{\circ}\text{C max. 70\% RH max.}$

6 Test Data For Preproduction Samples

陶瓷体叠层片式电感器电性能

CH1005 型

产品类型	电感量 L (nH)	Q 值 min	L、Q 测定频率 (MHz)	自谐频率 SRFmin (MHz)	直流电阻 DCR max(Ω)	额定电流 (mA)
CH1005H1N0S	1.0	7	100	>3000	0.10	400
CH1005H1N2S	1.2	7	100	>3000	0.10	400
CH1005H1N5S	1.5	8	100	>3000	0.13	400
CH1005H1N8S	1.8	8	100	>3000	0.14	400
CH1005H2N2S	2.2	8	100	>3000	0.16	400
CH1005H2N7S	2.7	8	100	>3000	0.17	400
CH1005H3N3S	3.3	8	100	>3000	0.19	400
CH1005H3N9S	3.9	8	100	>3000	0.22	400
CH1005H4N7S	4.7	8	100	>3000	0.25	400
CH1005H5N6S	5.6	8	100	>3000	0.29	400
CH1005H6N8□	6.8	8	100	3000	0.32	300
CH1005H8N2□	8.2	8	100	2800	0.39	300
CH1005H10N□	10	8	100	2500	0.50	300
CH1005H12N□	12	8	100	2000	0.60	300
CH1005H15N□	15	8	100	2000	0.65	300
CH1005H18N□	18	8	100	1900	0.75	300
CH1005H22N□	22	8	100	1800	0.80	200
CH1005H27N□	27	8	100	1500	0.90	200
CH1005H33N□	33	8	100	1300	1.00	200
CH1005H39N□	39	8	100	1200	1.20	150

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CH1005H47N□	47	8	100	1100	1.30	150
CH1005H56N□	56	8	100	1000	1.60	150
CH1005H68N□	68	8	100	800	2.10	150
CH1005H82N□	82	8	100	750	2.40	150
CH1005HR10□	100	8	100	700	2.60	150

CH1608 型

产品规格代码	电感量 L (nH)	Q min 值	L、Q 测定频率 MHz	自谐频率 SRFmin (MHz)	直流电阻 DCR max(Ω)	额定电流 Imax (mA)
CH1608H1N0	1.0	8	100	>3000	0.15	500
CH1608H1N2	1.2	8	100	>3000	0.15	500
CH1608H1N5	1.5	8	100	>3000	0.15	500
CH1608H1N8	1.8	8	100	>3000	0.20	500
CH1608H2N2	2.2	8	100	>3000	0.20	500
CH1608H2N7	2.7	8	100	>3000	0.20	500
CH1608H3N3	3.3	8	100	>3000	0.20	500
CH1608H3N9	3.9	8	100	>3000	0.20	500
CH1608H4N7	4.7	8	100	>3000	0.20	500
CH1608H5N6	5.6	8	100	>3000	0.30	500
CH1608H6N8	6.8	8	100	>3000	0.30	500
CH1608H8N2	8.2	8	100	>3000	0.30	500
CH1608H10N	10	8	100	>3000	0.50	300
CH1608H12N	12	8	100	>3000	0.50	300
CH1608H15N	15	8	100	>3000	0.60	300
CH1608H18N	18	8	100	>3000	0.60	300
CH1608H22N	22	8	100	>3000	0.60	300
CH1608H27N	27	8	100	>3000	0.80	300
CH1608H33N	33	8	100	>3000	0.80	300

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CH1608H39N	39	8	100	2500	0.80	300
CH1608H47N	47	8	100	2400	1.00	300
CH1608H56N	56	8	100	2200	1.00	300
CH1608H68N	68	8	100	1000	1.00	300
CH1608H82N	82	8	100	800	1.00	300
CH1608HR10	100	8	100	700	1.00	300
CH1608H R12	120	8	50	600	1.40	300
CH1608H R15	150	8	50	500	1.40	300
CH1608H R18	180	8	50	400	1.60	300
CH1608H R22	220	8	50	350	1.80	300
CH1608H R27	270	8	50	300	1.80	300

CH2012 型

产品规格代码	电感量 L (nH)	Q min 值	L、Q 测定频率 MHz	自谐频率 SRFmin (MHz)	直流电阻 DCR max(Ω)	额定电流 Imax (mA)
CH2012H 1N0	1.0	10	100	>3000	0.10	600
CH2012H 1N5	1.5	10	100	>3000	0.10	600
CH2012H 1N8	1.8	10	100	>3000	0.10	600
CH2012H 2N2	2.2	10	100	>3000	0.10	600
CH2012H 2N7	2.7	10	100	>3000	0.10	600
CH2012H 3N3	3.3	10	100	>3000	0.13	600
CH2012H 3N9	3.9	10	100	>3000	0.15	600
CH2012H 4N7	4.7	10	100	>3000	0.20	400
CH2012H 5N6	5.6	10	100	>3000	0.23	400
CH2012H 6N8	6.8	10	100	>3000	0.25	400
CH2012H 8N2	8.2	10	100	>3000	0.28	400
CH2012H 10N	10	10	100	2500	0.30	300
CH2012H 12N	12	10	100	2400	0.35	300
CH2012H 15N	15	10	100	2000	0.40	300

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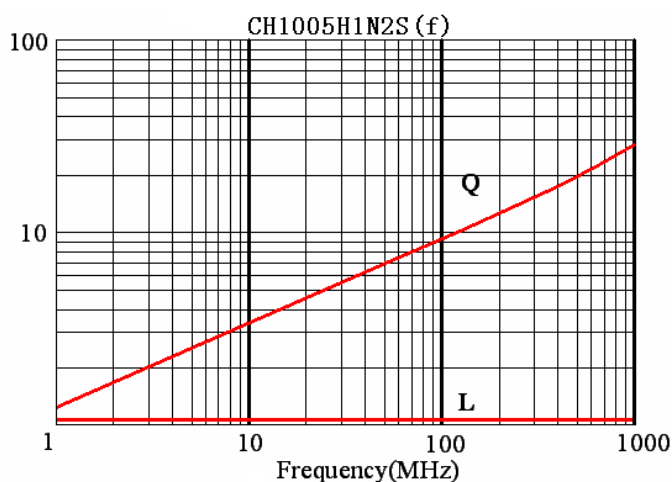
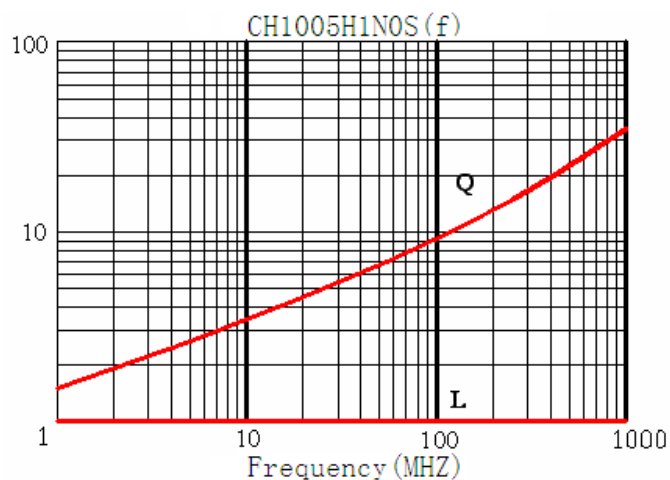
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CH2012H 27N	27	10	100	1550	0.55	300
CH2012H 33N	33	10	100	1350	0.60	300
CH2012H 39N	39	13	100	1300	0.65	300
CH2012H 47N	47	10	100	1200	0.70	300
CH2012H 56N	56	15	100	1150	0.75	300
CH2012H 68N	68	15	100	1000	0.80	300
CH2012H 82N	82	15	100	850	0.90	300
CH2012H R10	100	15	100	600	1.00	300
CH2012H R12	120	13	50	500	1.50	300
CH2012H R15	150	13	50	500	1.50	300
CH2012H R22	220	13	50	400	2.10	300

□ : 表示电感量偏差代号为 K、J、D、S。 K:±10%, J:±5%, D:±0.5nH, S:±0.3nH

7

Detail electrical characteristics

CH1005 TYPE



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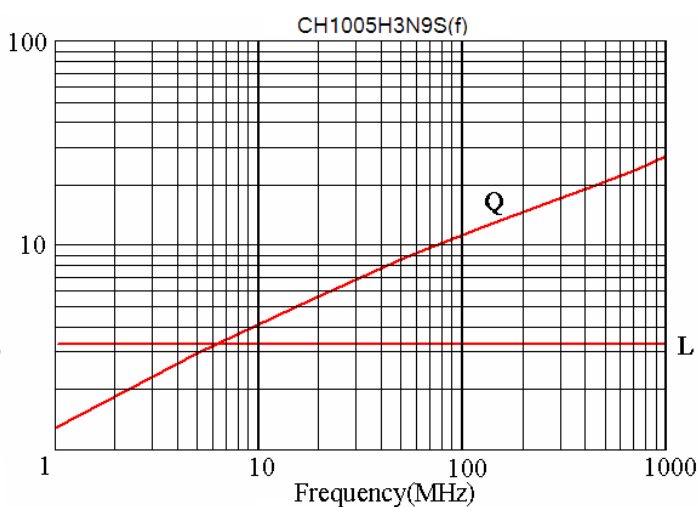
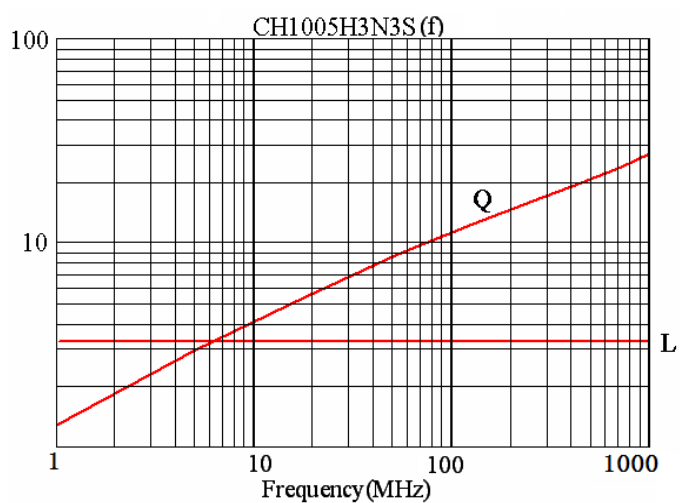
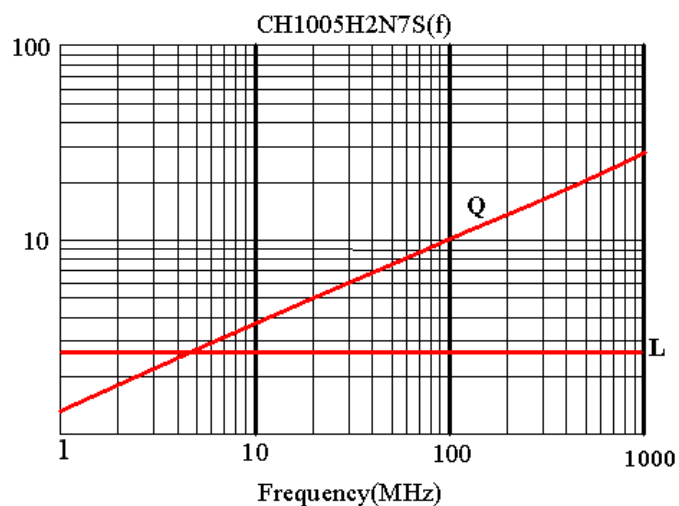
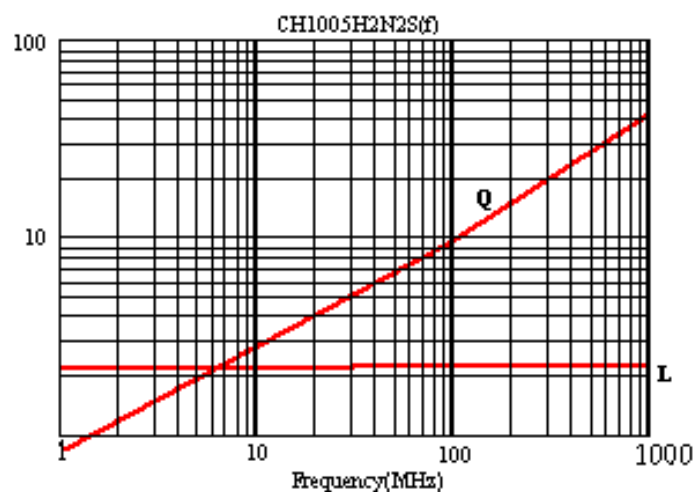
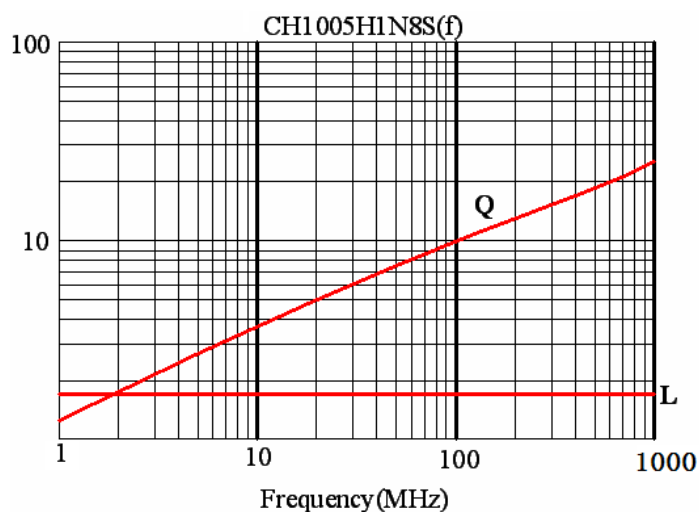
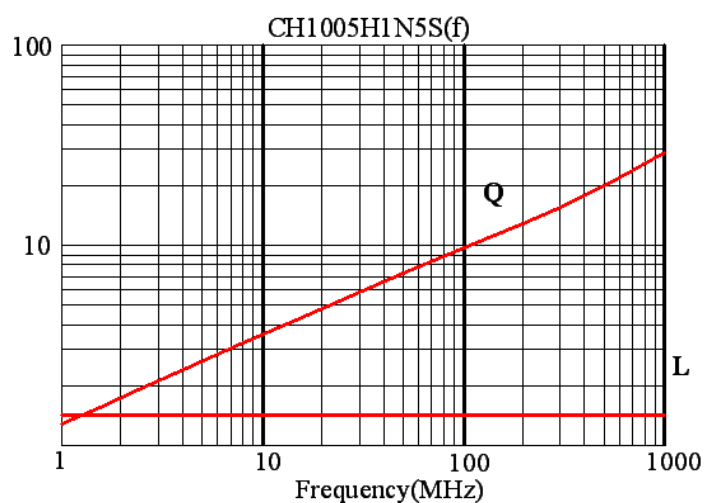
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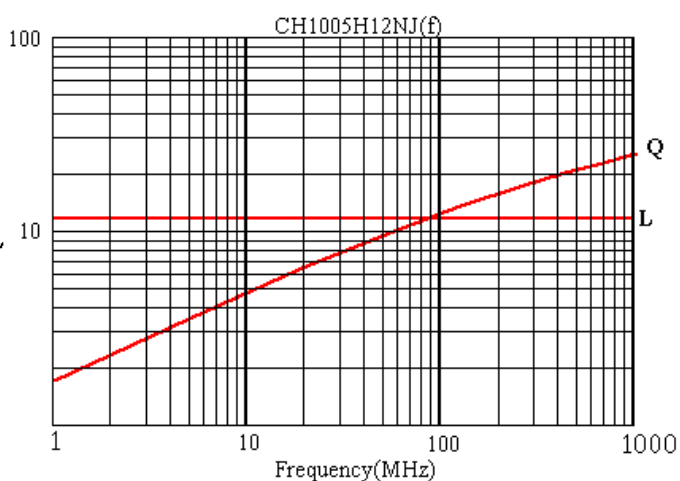
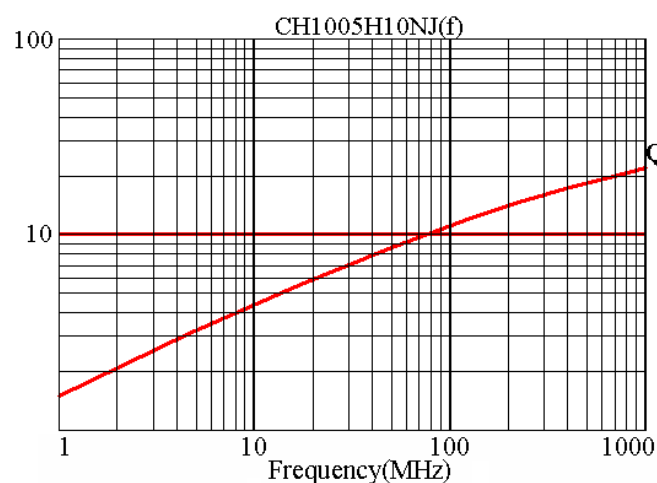
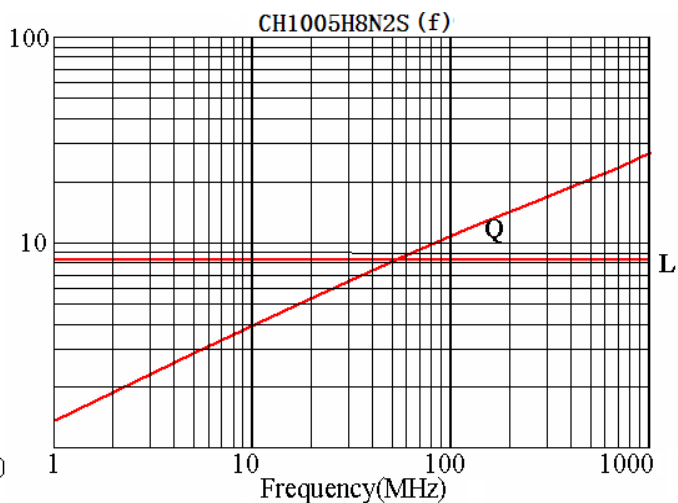
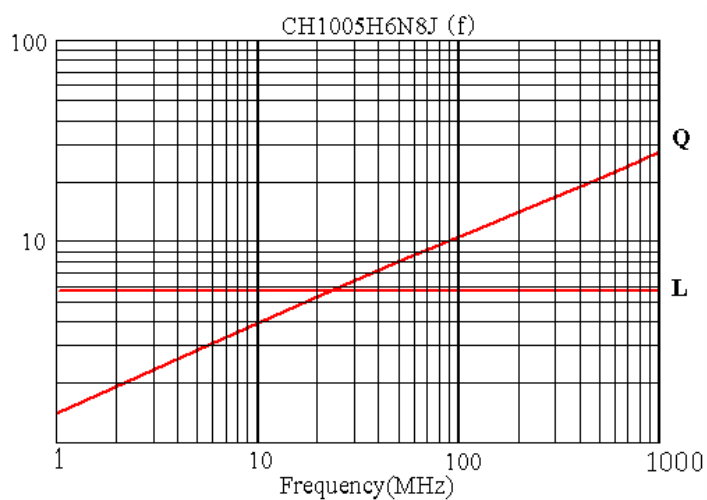
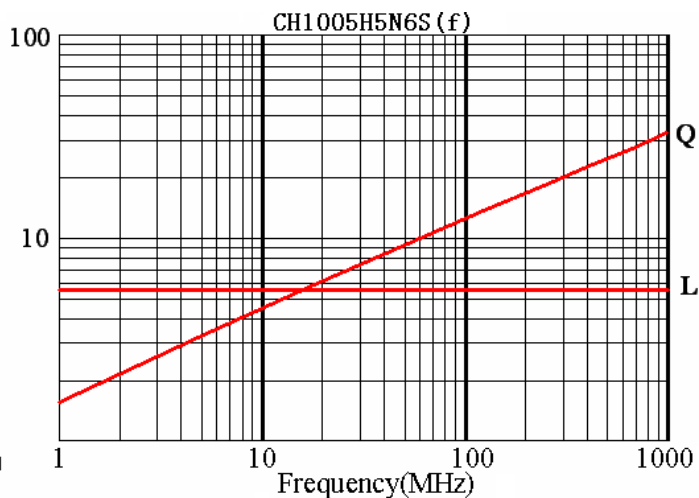
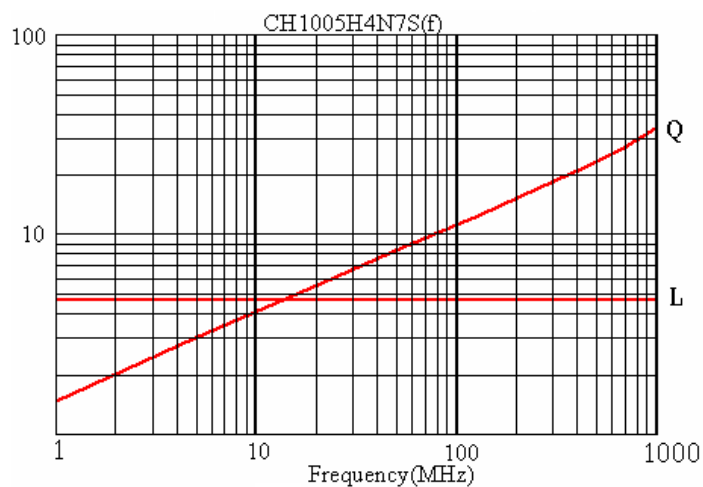
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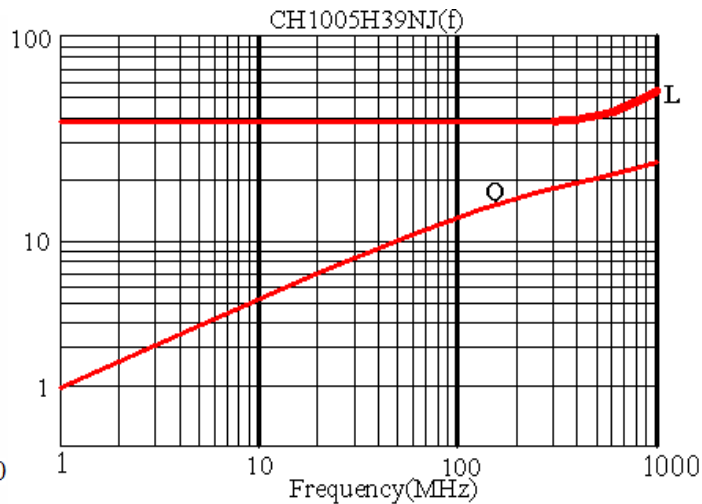
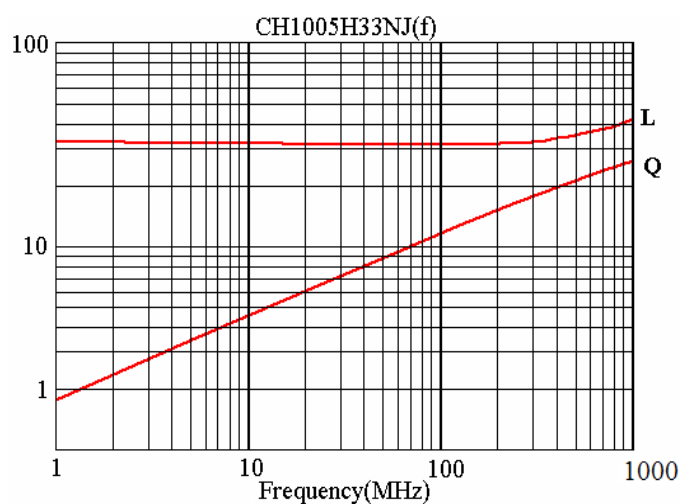
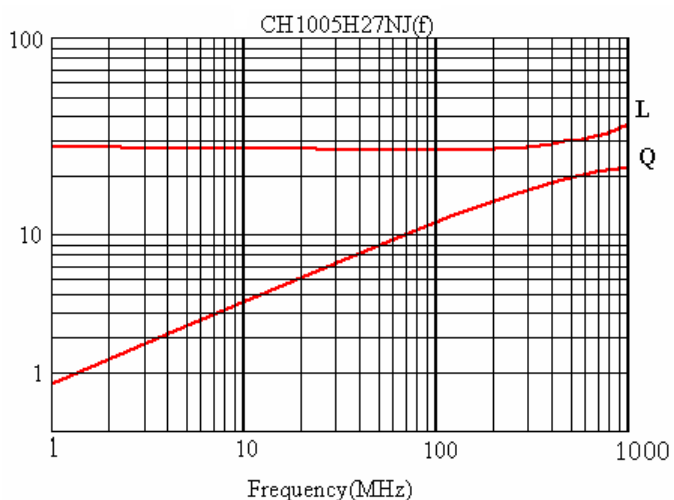
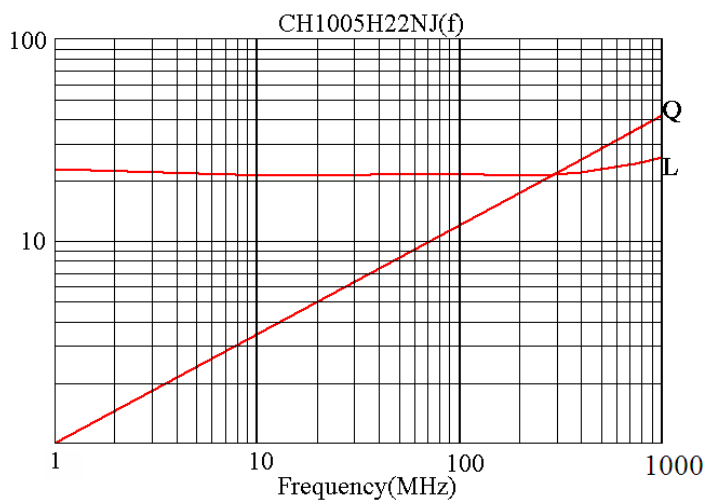
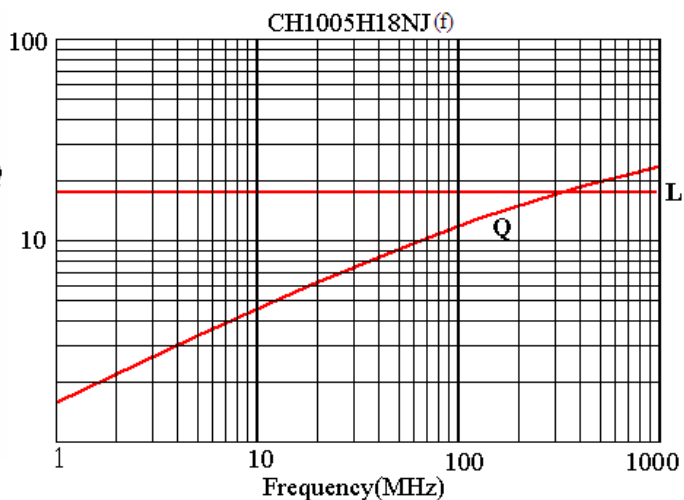
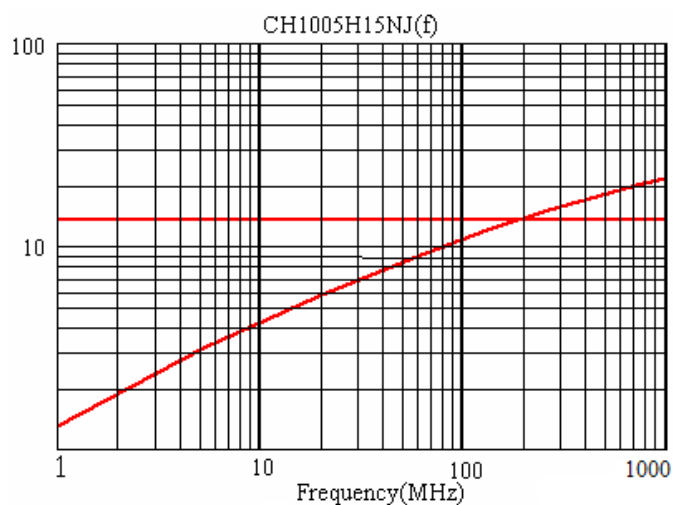
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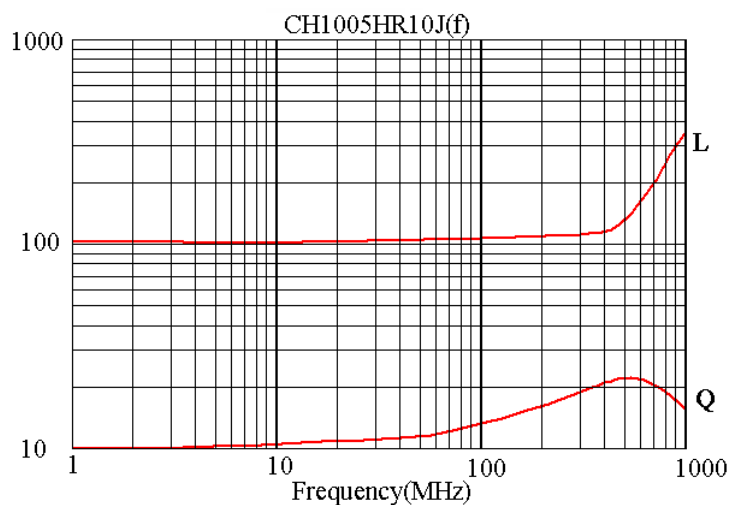
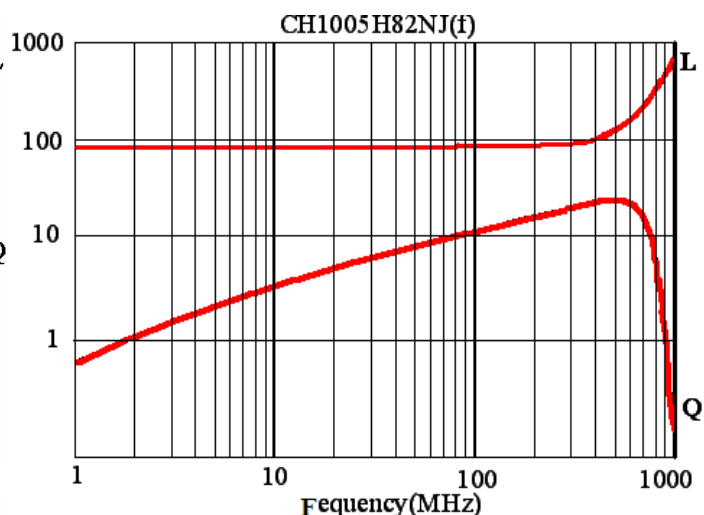
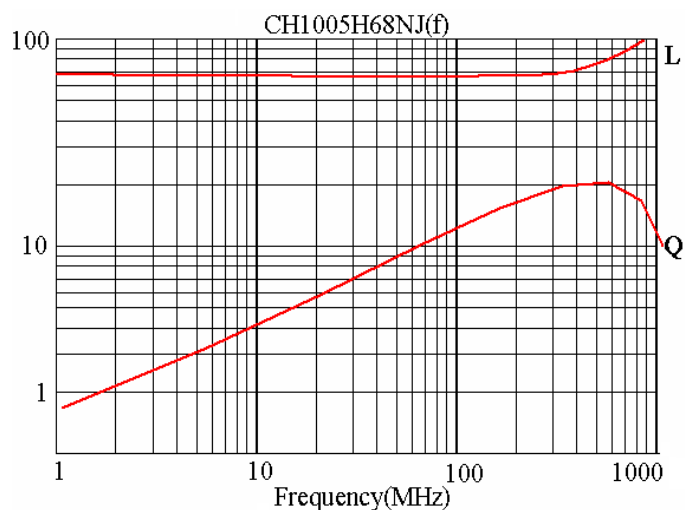
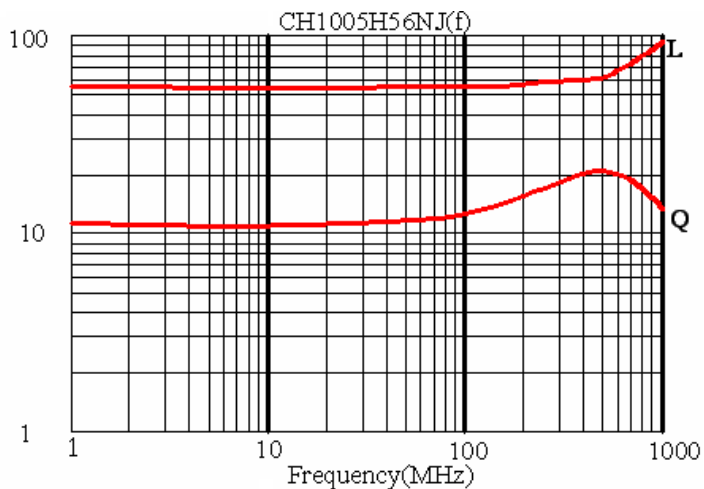
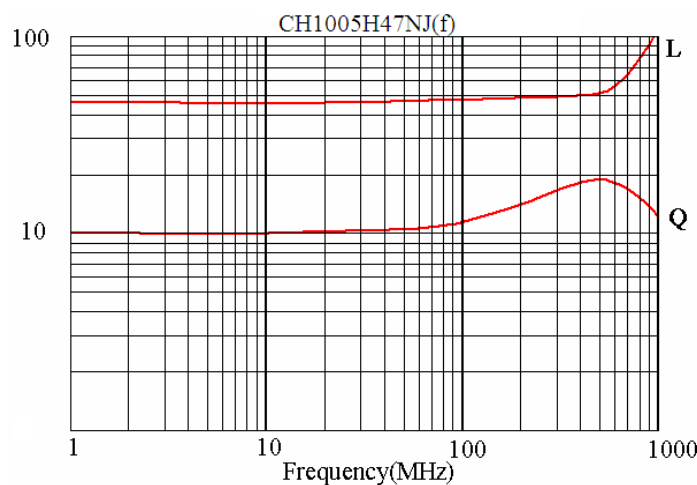
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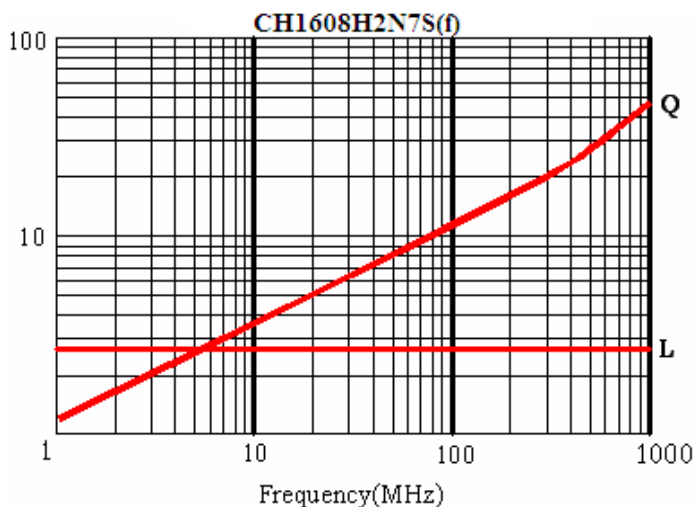
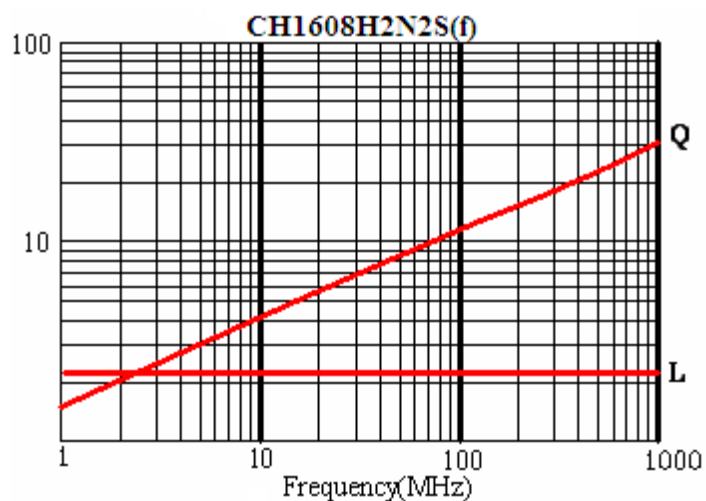
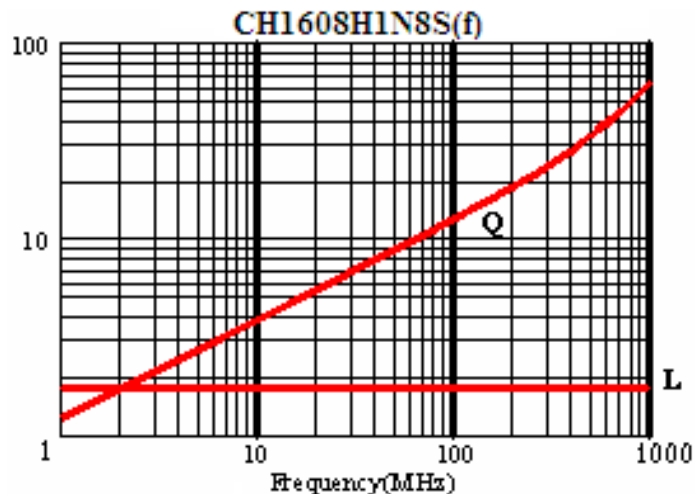
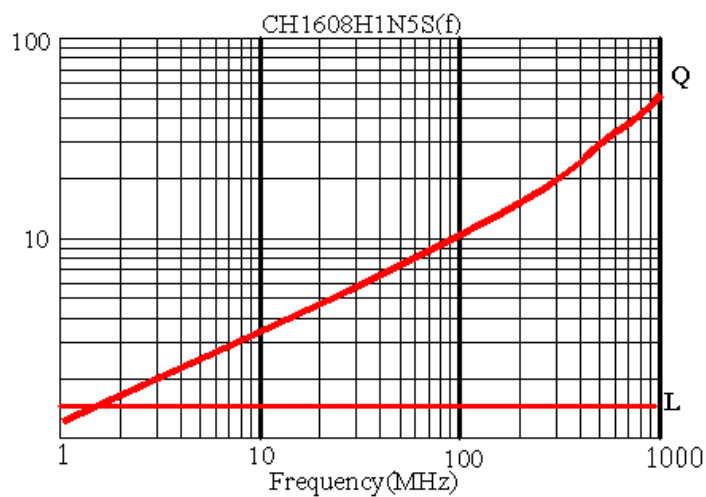
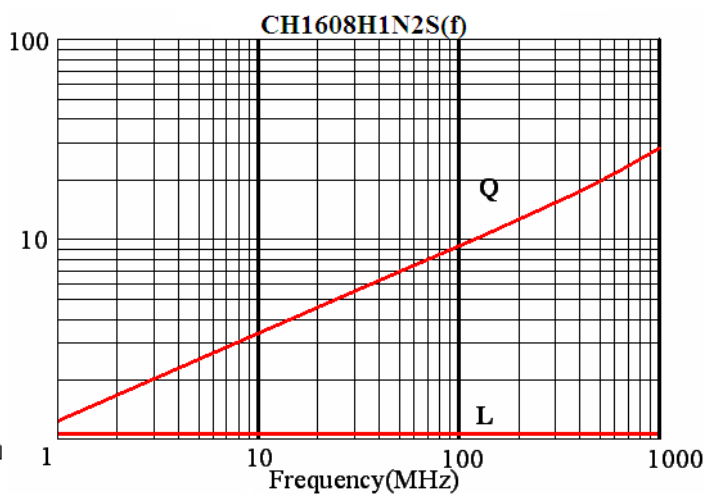
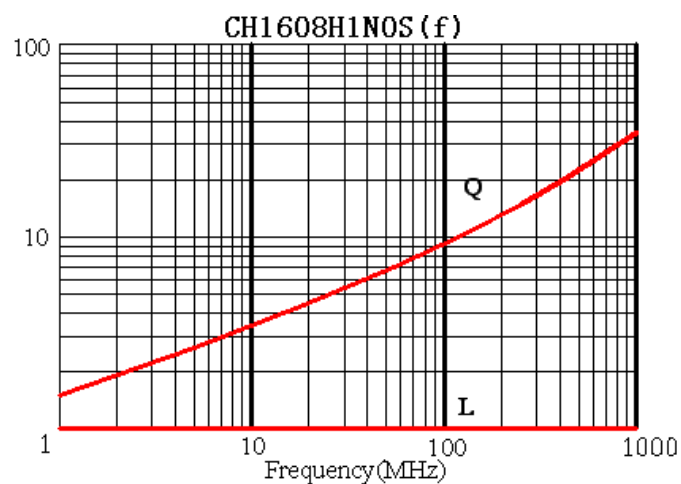
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CH1608 TYPE



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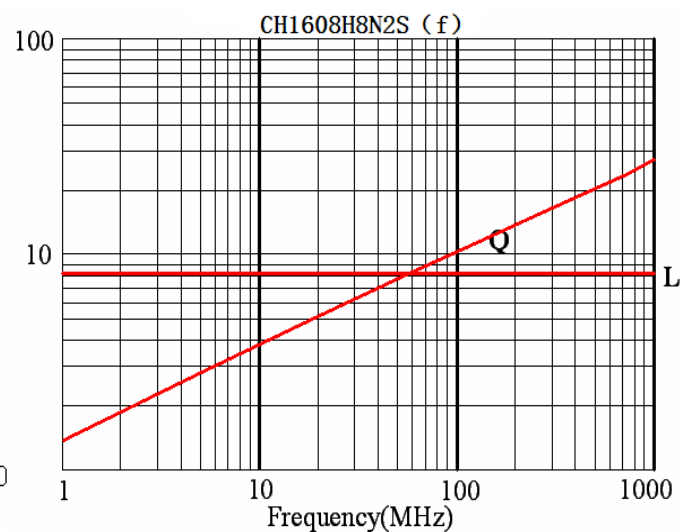
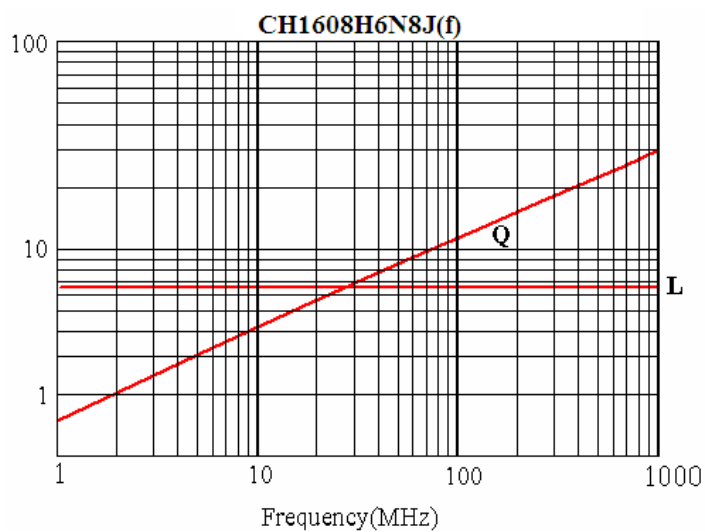
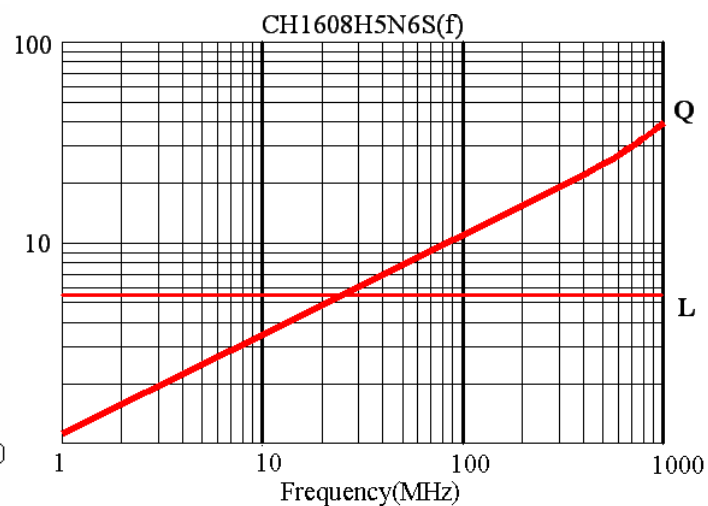
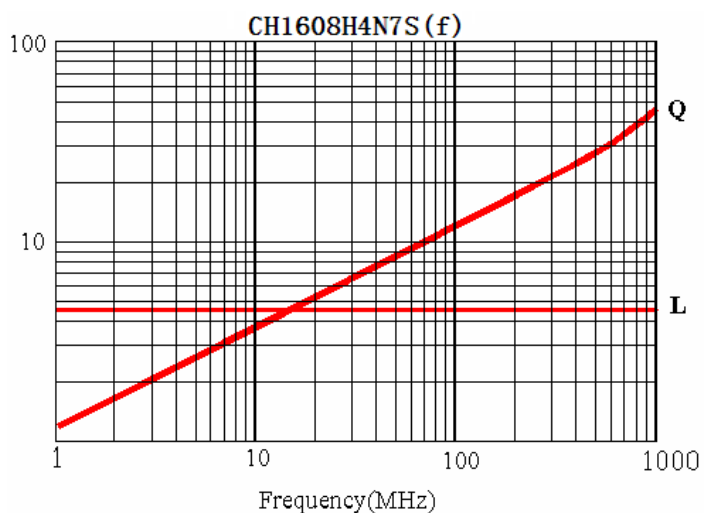
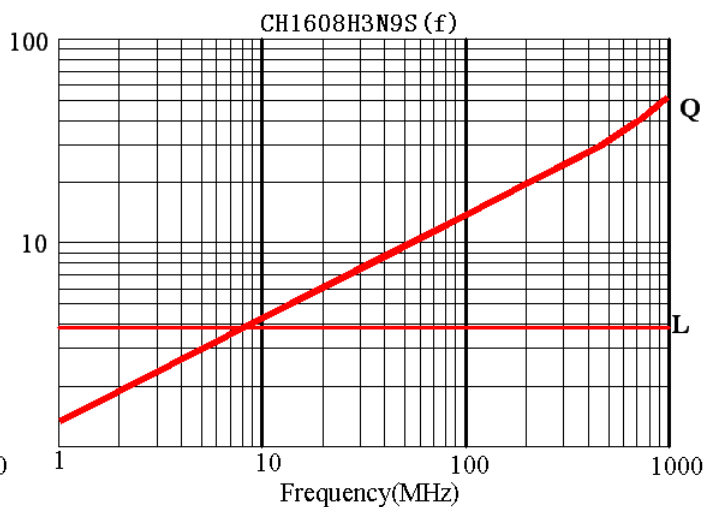
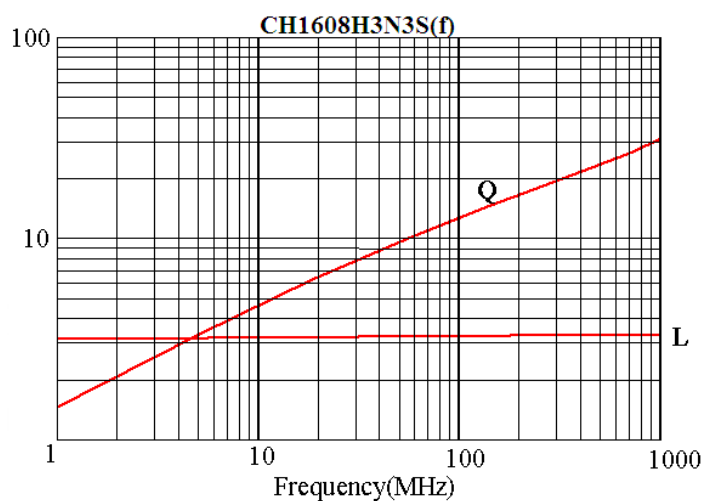
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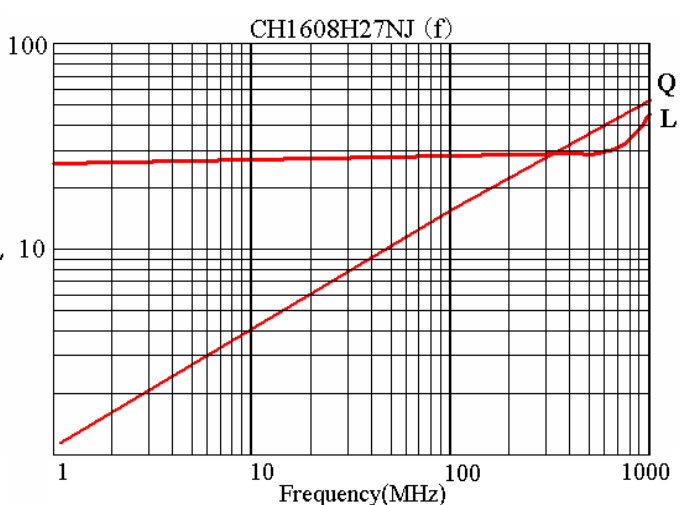
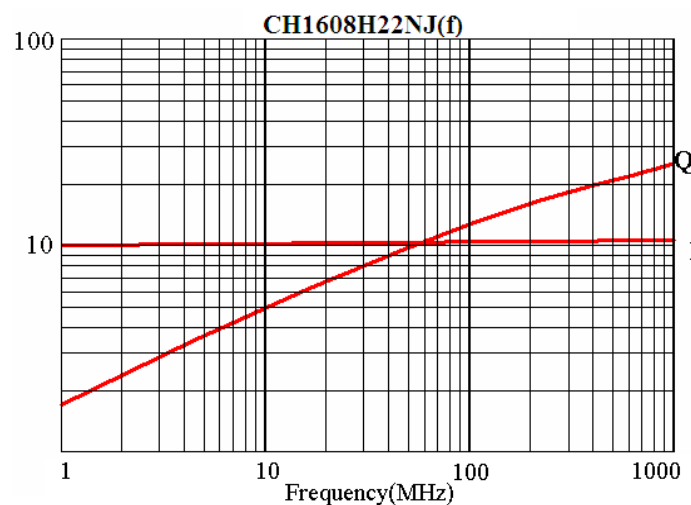
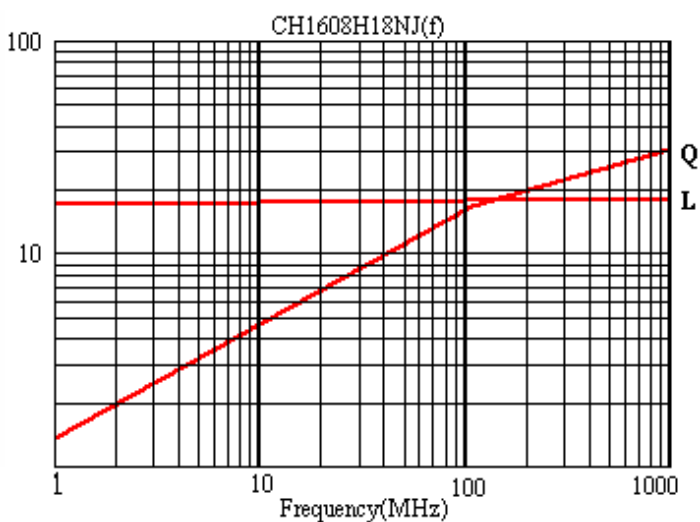
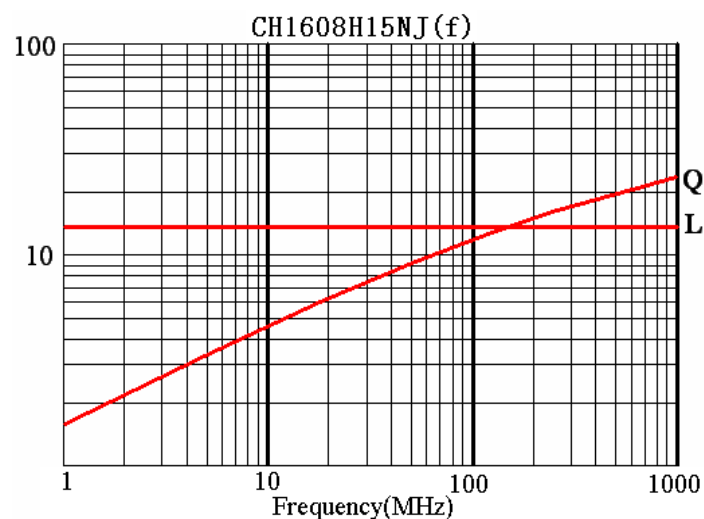
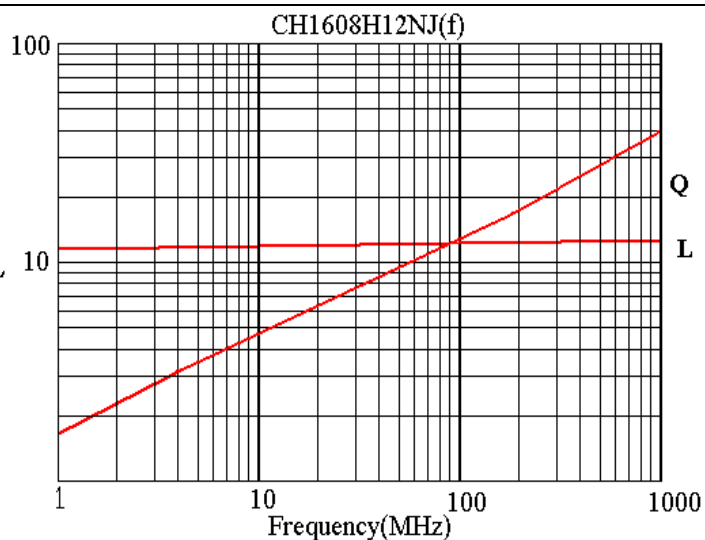
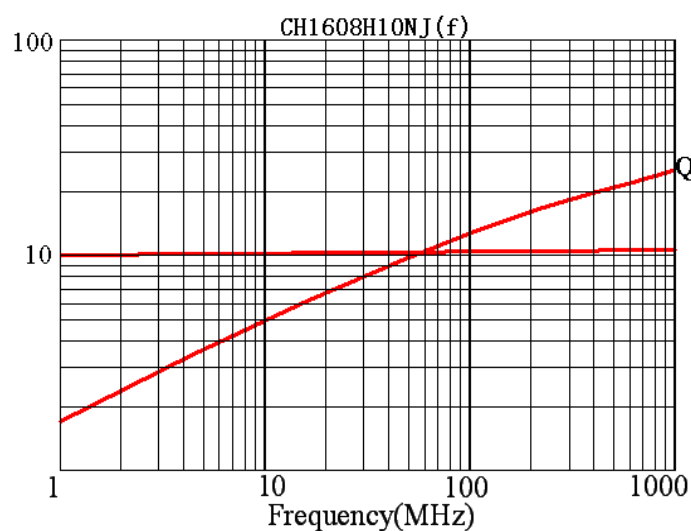
ADD: 4F,Bld.A,Zhenhua(Longhua)ProductionCenter,Qinghu,Rd,Heping,E., Longhua Town,Bao'an District Shenzhen

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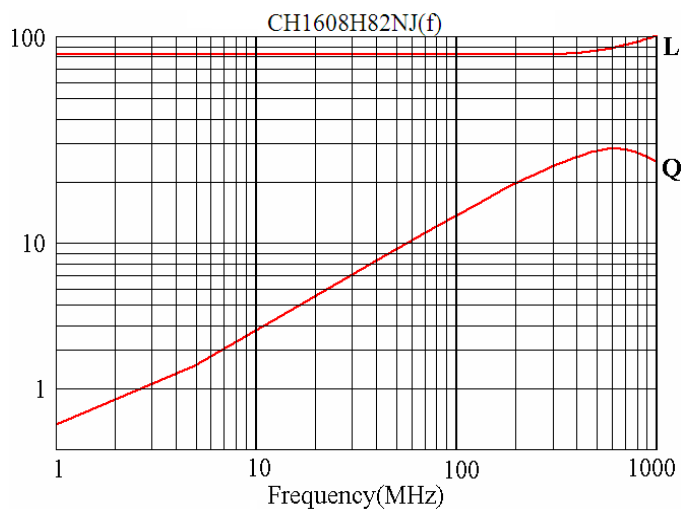
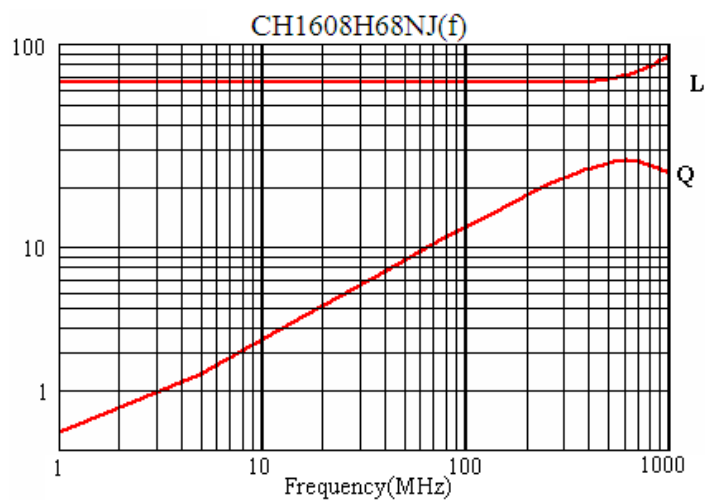
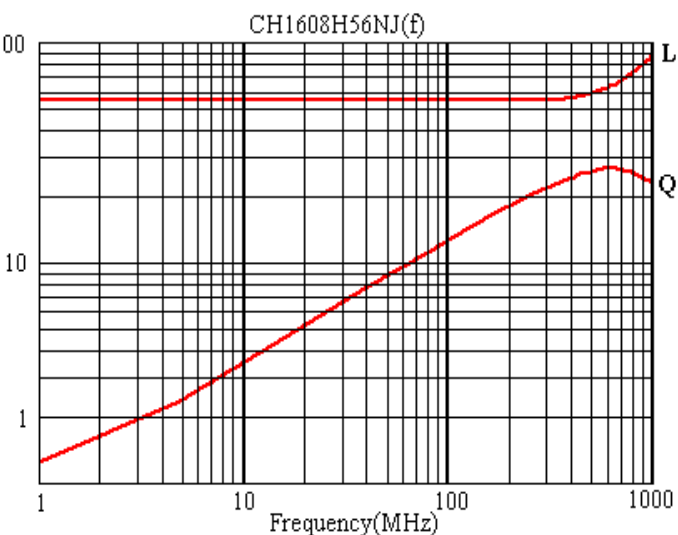
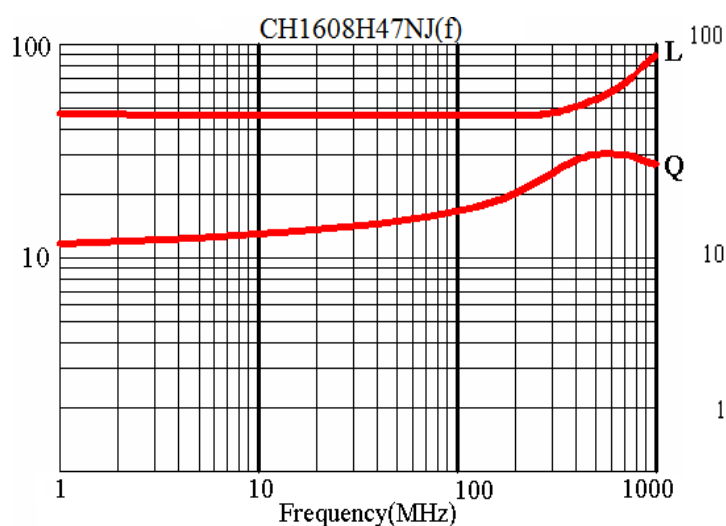
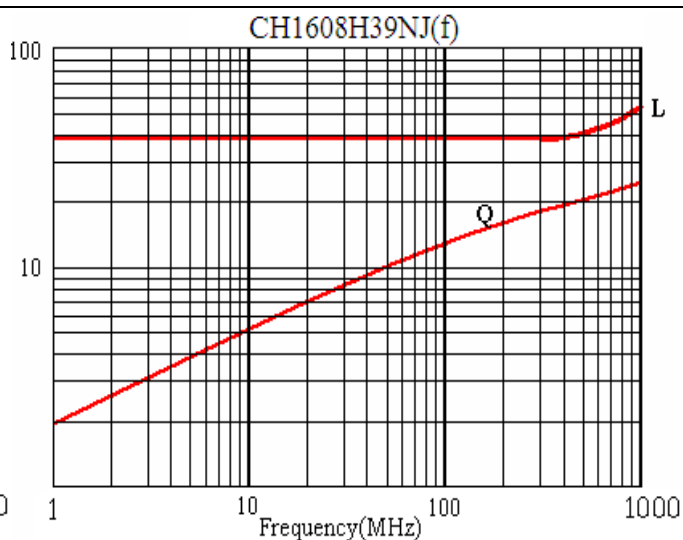
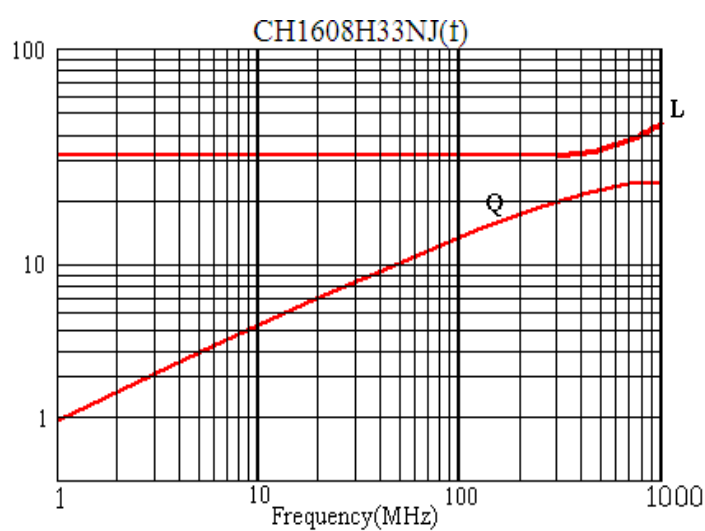
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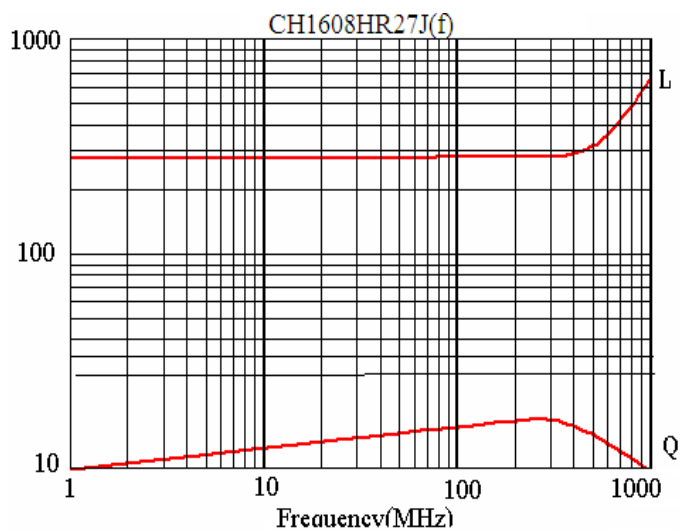
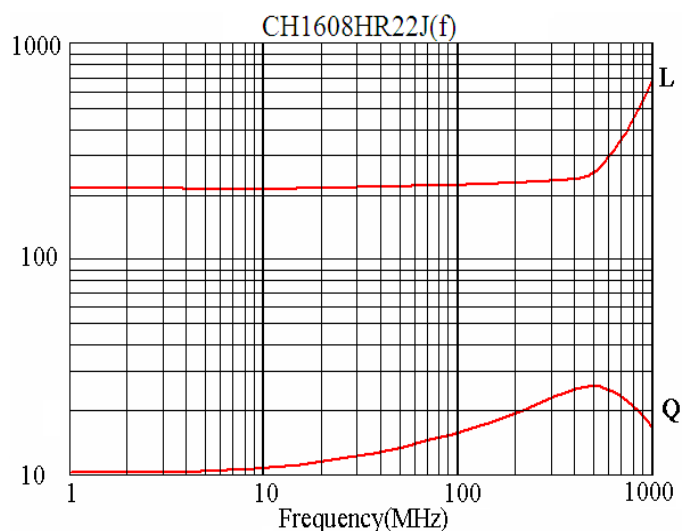
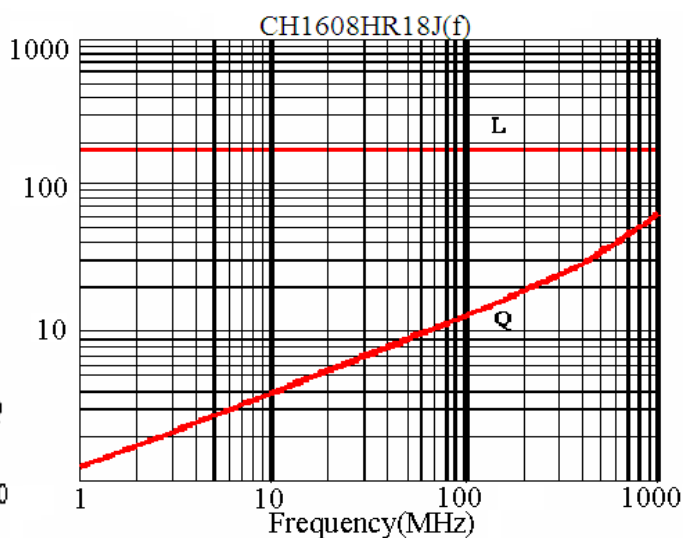
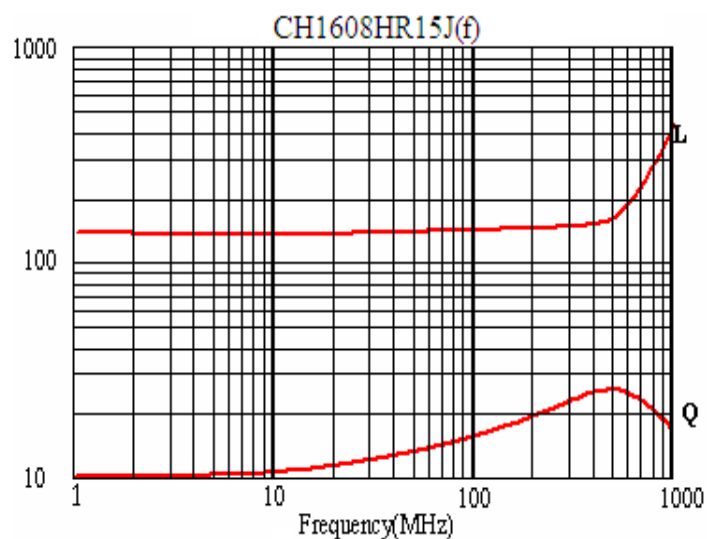
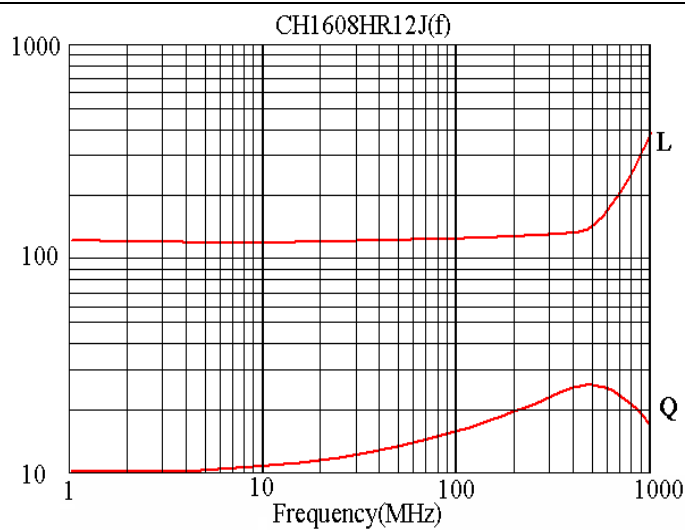
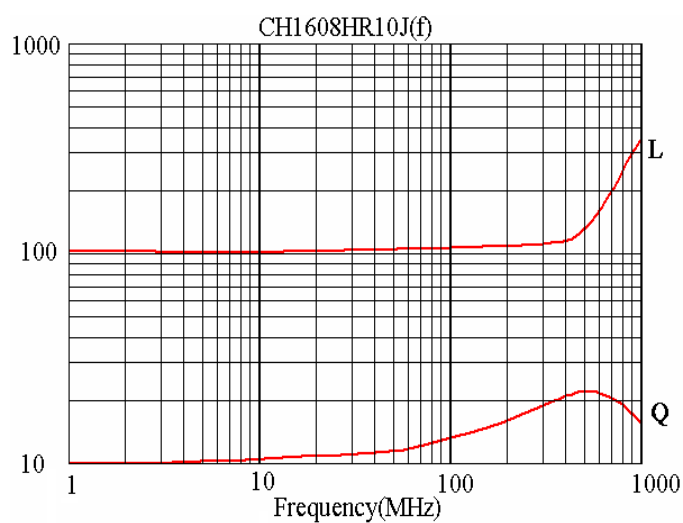
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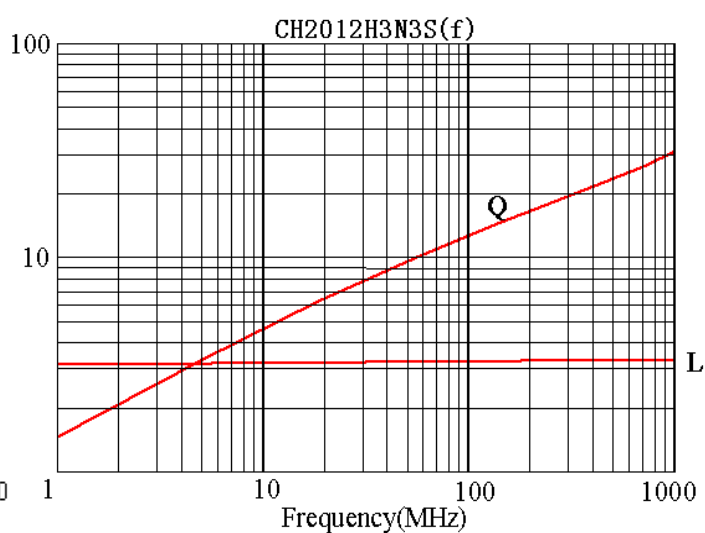
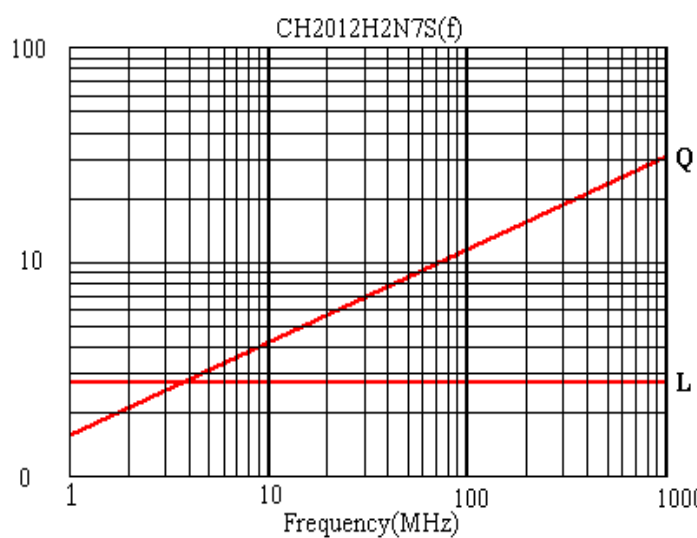
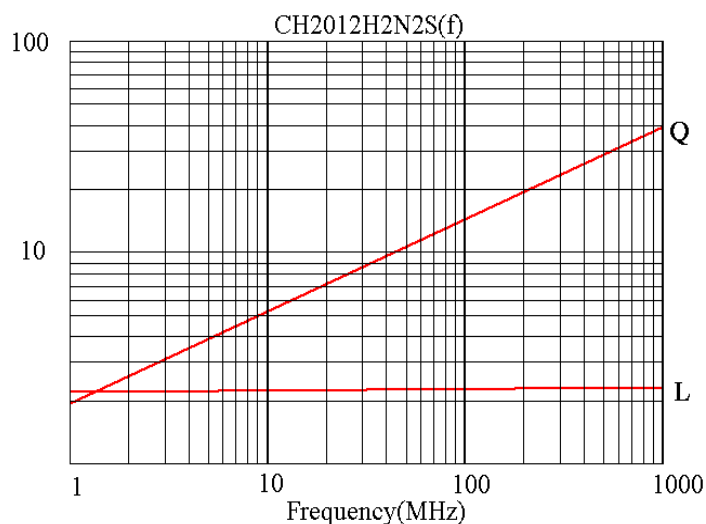
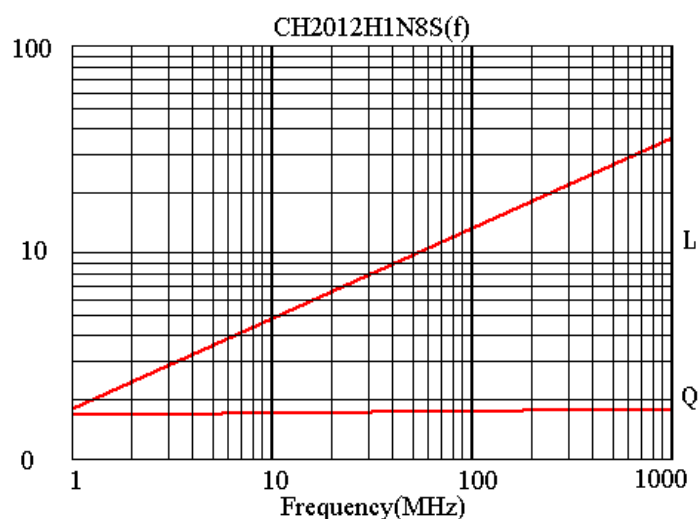
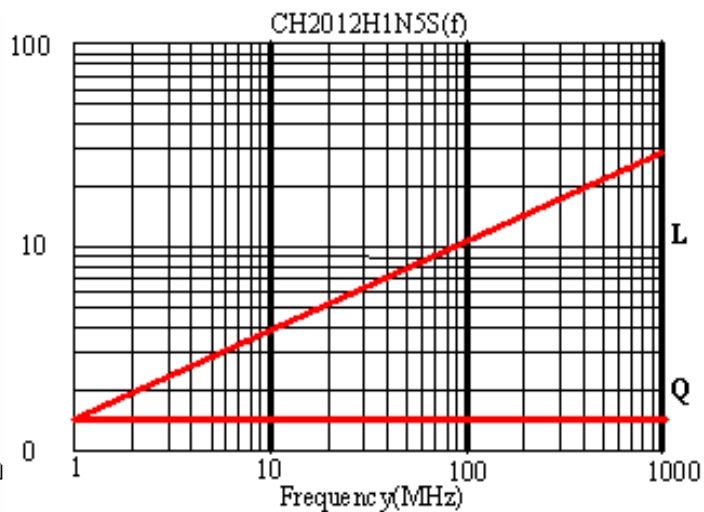
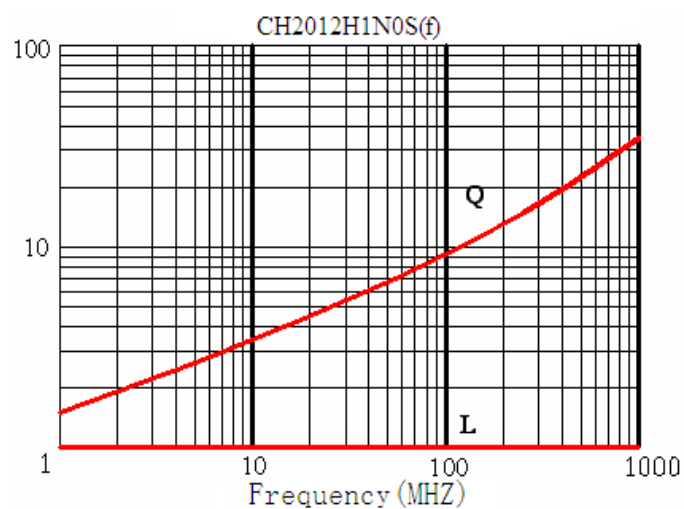
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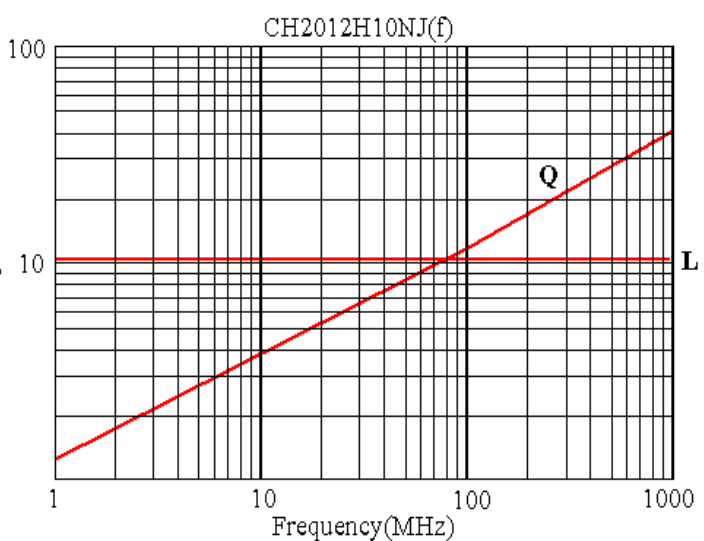
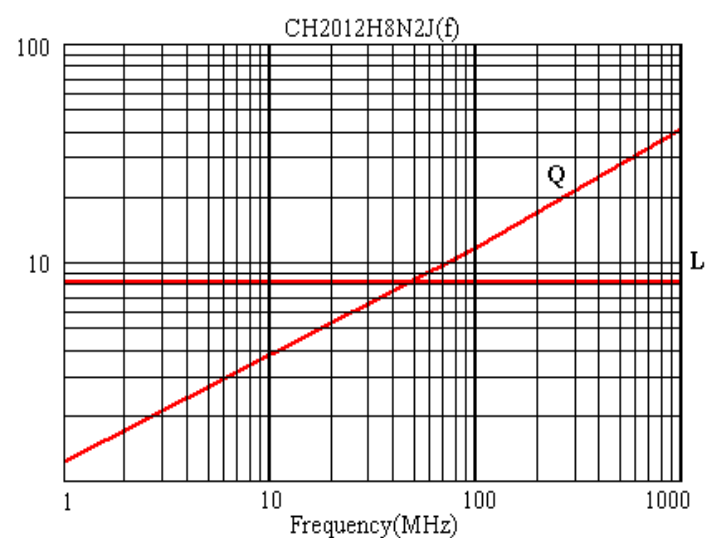
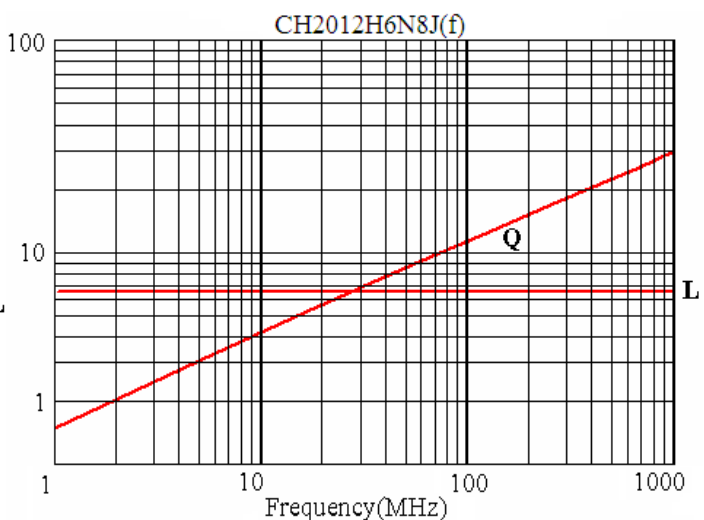
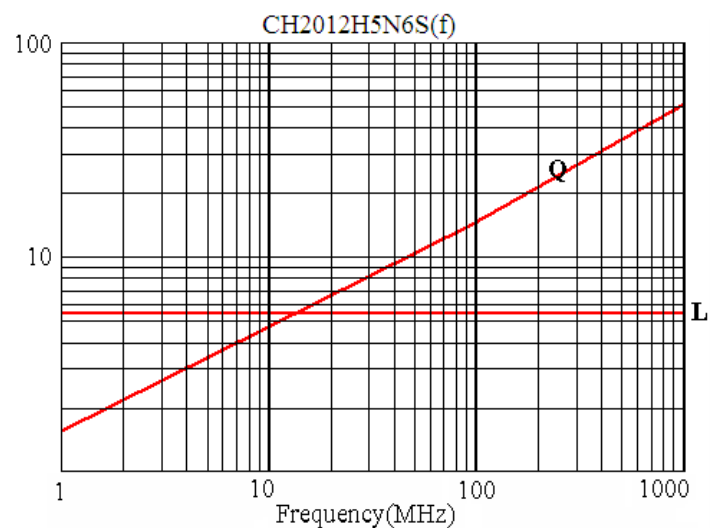
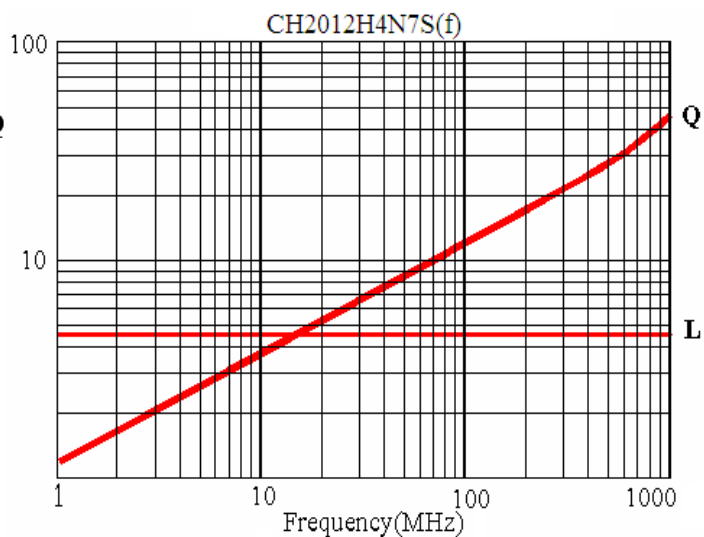
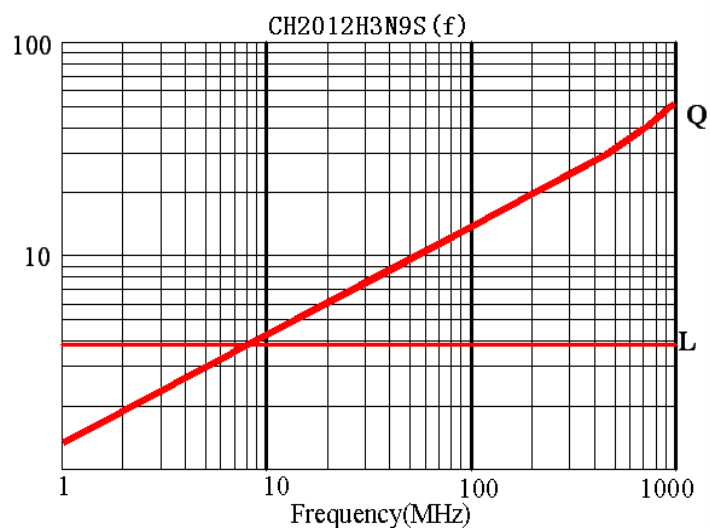
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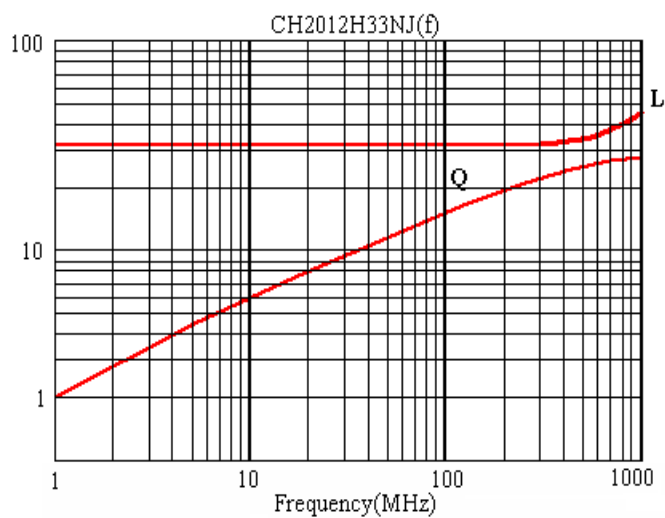
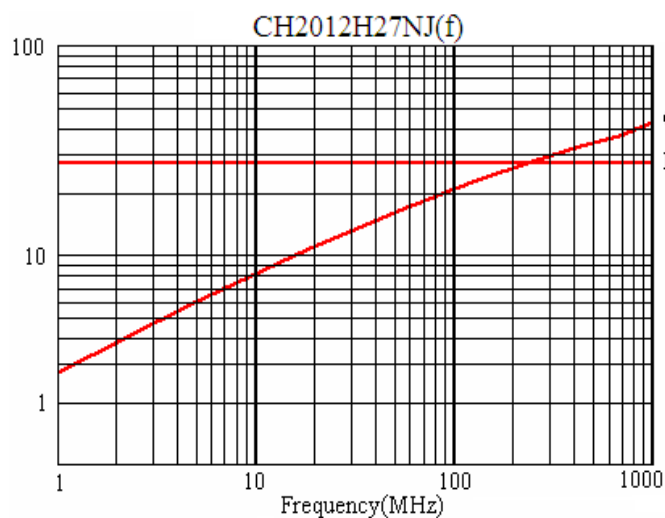
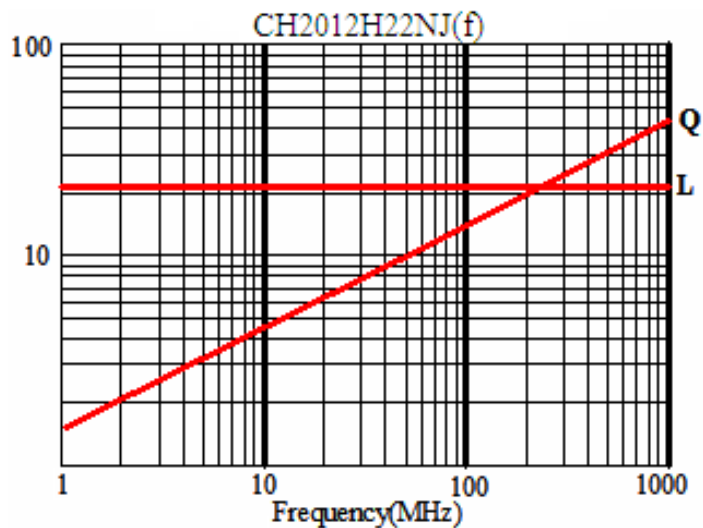
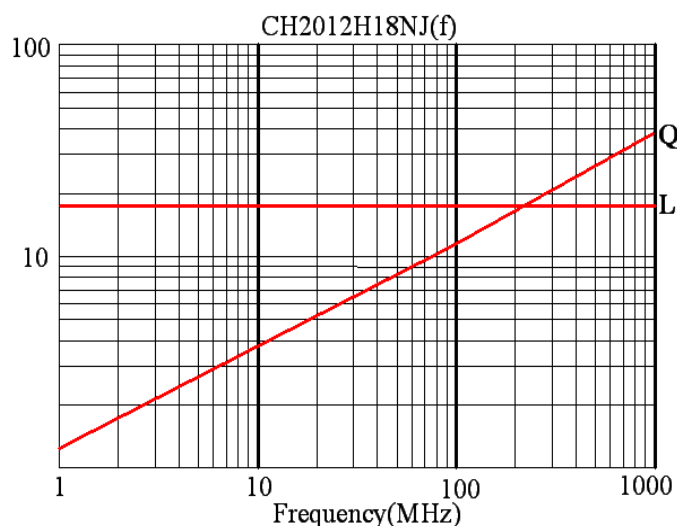
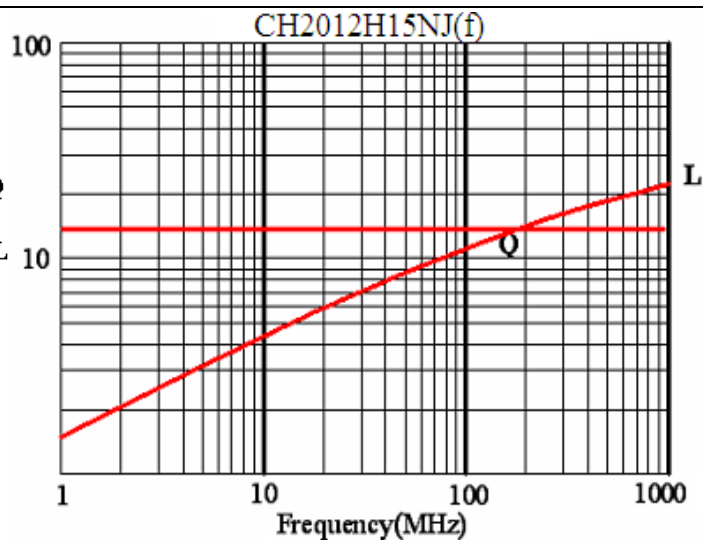
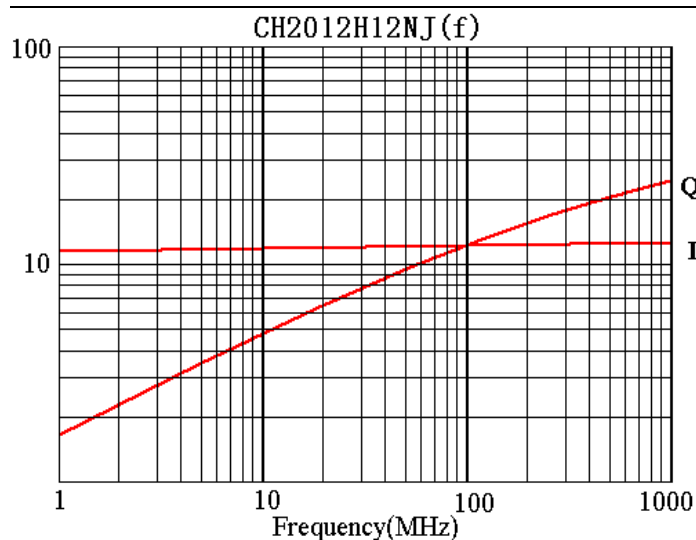
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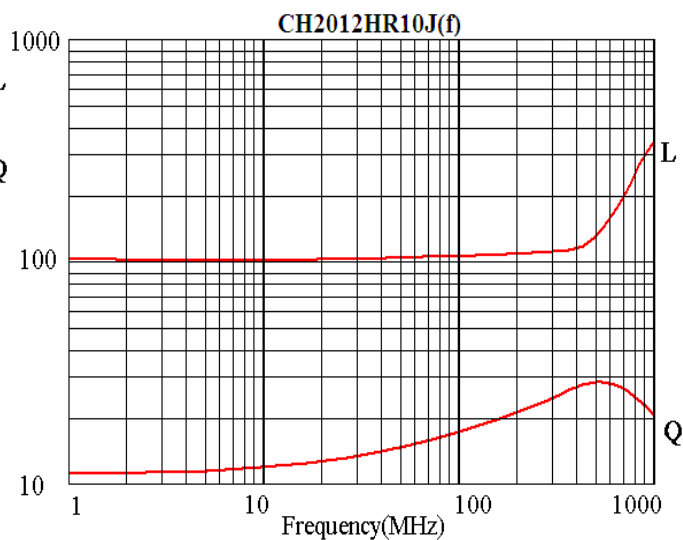
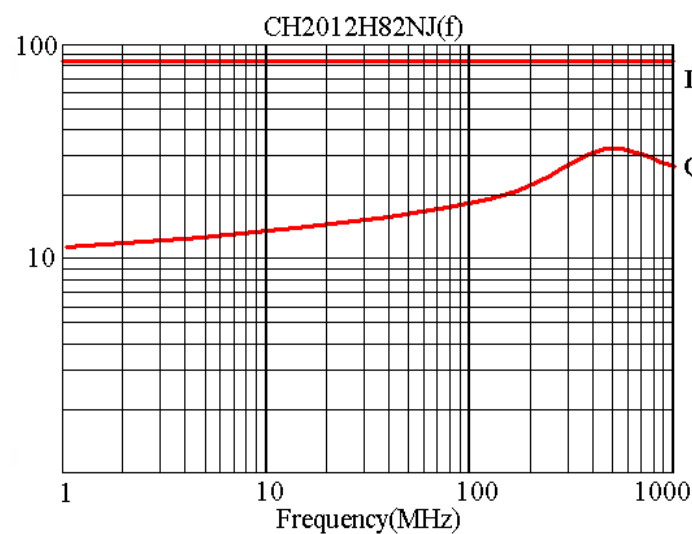
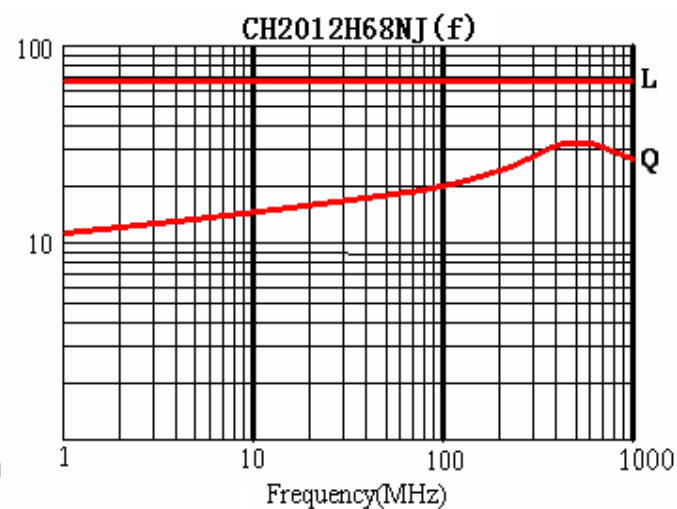
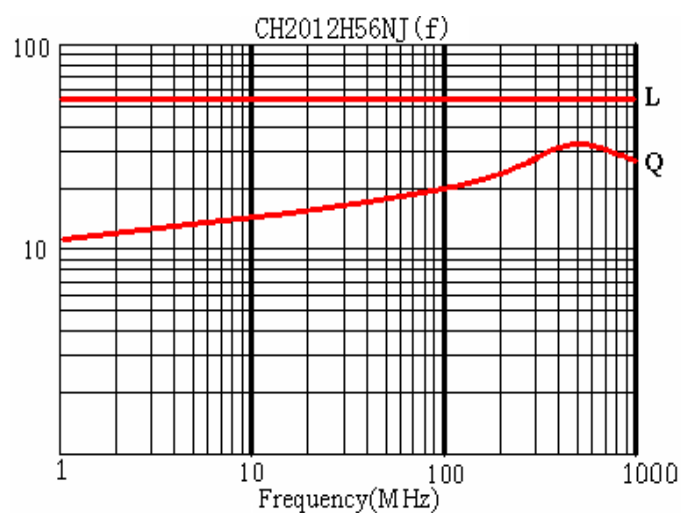
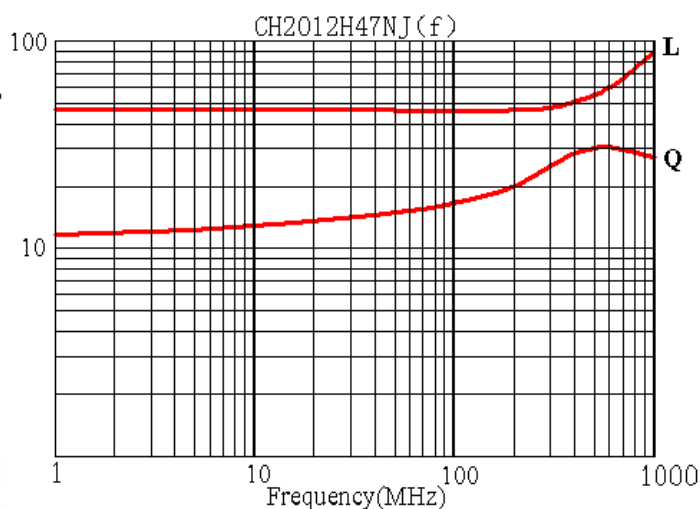
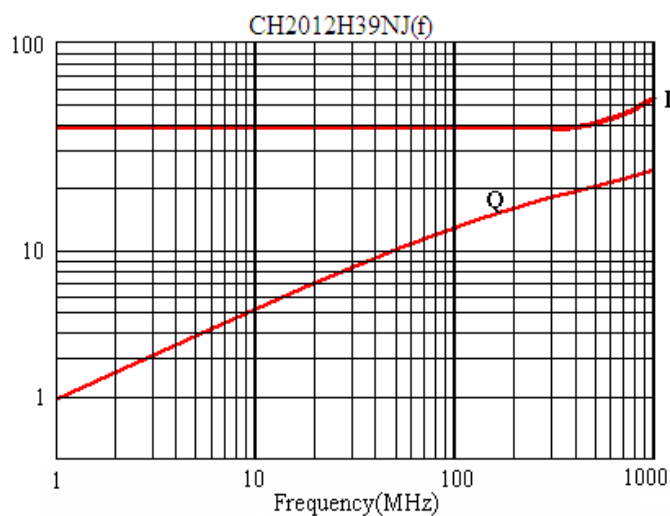
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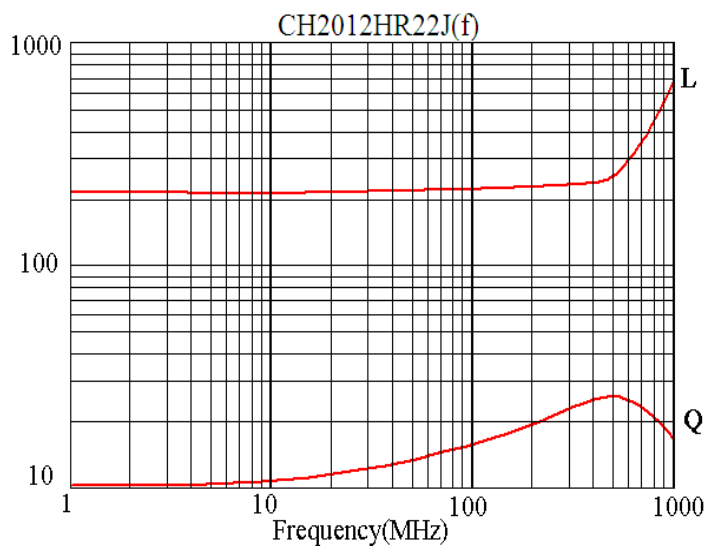
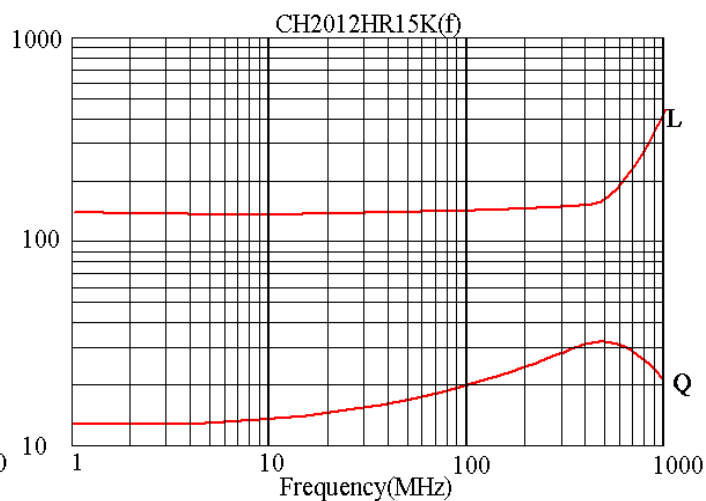
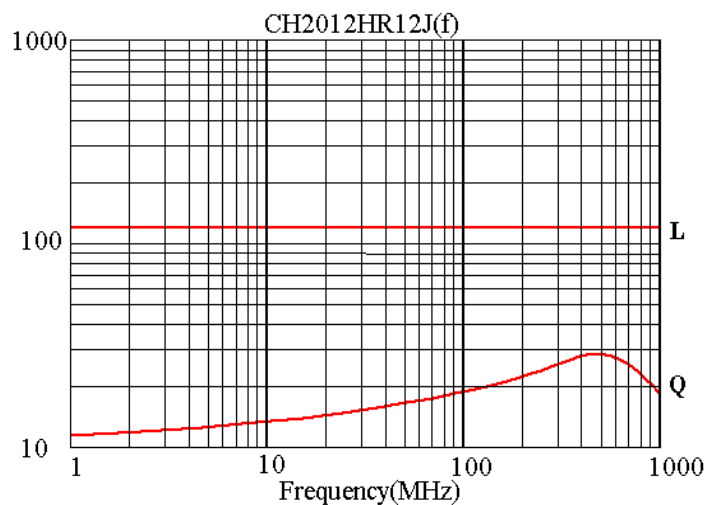
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