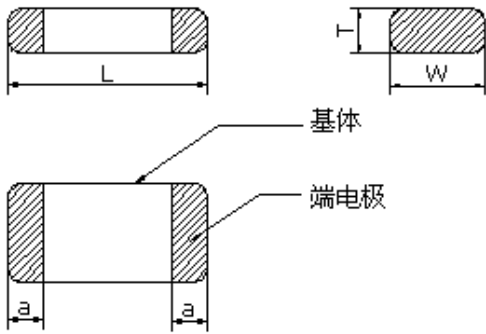


# CH Series Specification

**1** Scope: This specification applies to MULTILAYER CHIP FERRITE BEADS

**2** Shape And Dimensions



| Type   | Dimensions in mm                    |           |           |                                 |
|--------|-------------------------------------|-----------|-----------|---------------------------------|
|        | L                                   | W         | T         | a <sub>1</sub> , a <sub>2</sub> |
| 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 <sup>+0.3</sup> <sub>-0.1</sub> | 1.25±0.20 | 0.85±0.20 | 0.4±0.20                        |

**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.

**5** Rating

Operating Temperature (使用温度): -40°C~+125°C  
 Storage Temperature (储存温度): 40°C max. 70% RH max.

## 陶瓷体叠层片式电感器电性能

## CH1005 型

| 产品类型        | 电感量 L<br>(nH) | Q 值 min | L、Q 测定频率<br>(MHz) | 自谐频率<br>SRFmin (MHz) | 直流电阻<br>DCR max( $\Omega$ ) | 额定电流<br>(mA) |
|-------------|---------------|---------|-------------------|----------------------|-----------------------------|--------------|
| CH1005H1N0□ | 1.0           | 7       | 100               | >3000                | 0.10                        | 400          |
| CH1005H1N2□ | 1.2           | 7       | 100               | >3000                | 0.10                        | 400          |
| CH1005H1N5□ | 1.5           | 8       | 100               | >3000                | 0.13                        | 400          |
| CH1005H1N8□ | 1.8           | 8       | 100               | >3000                | 0.14                        | 400          |
| CH1005H2N2□ | 2.2           | 8       | 100               | >3000                | 0.16                        | 400          |
| CH1005H2N7□ | 2.7           | 8       | 100               | >3000                | 0.17                        | 400          |
| CH1005H3N3□ | 3.3           | 8       | 100               | >3000                | 0.19                        | 400          |
| CH1005H3N9□ | 3.9           | 8       | 100               | >3000                | 0.22                        | 400          |
| CH1005H4N7□ | 4.7           | 8       | 100               | >3000                | 0.24                        | 400          |
| CH1005H5N6□ | 5.6           | 8       | 100               | >3000                | 0.27                        | 400          |
| CH1005H6N8□ | 6.8           | 8       | 100               | 3000                 | 0.32                        | 300          |
| CH1005H8N2□ | 8.2           | 8       | 100               | 2800                 | 0.37                        | 300          |
| CH1005H10N□ | 10            | 8       | 100               | 2500                 | 0.42                        | 300          |
| CH1005H12N□ | 12            | 8       | 100               | 2000                 | 0.50                        | 300          |
| CH1005H15N□ | 15            | 8       | 100               | 2000                 | 0.55                        | 300          |
| CH1005H18N□ | 18            | 8       | 100               | 1900                 | 0.65                        | 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          |
| 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          |

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

## CH1608 型

| 产品规格代码       | 电感量 L<br>(nH) | Q min 值 | L、Q 测定频率<br>MHz | 自谐频率<br>SRFmin (MHz) | 直流电阻<br>DCR max( $\Omega$ ) | 额定电流<br>Imax (mA) |
|--------------|---------------|---------|-----------------|----------------------|-----------------------------|-------------------|
| CH1608H1N0□  | 1.0           | 8       | 100             | >3000                | 0.10                        | 500               |
| CH1608H1N2□  | 1.2           | 8       | 100             | >3000                | 0.10                        | 500               |
| CH1608H1N5□  | 1.5           | 8       | 100             | >3000                | 0.10                        | 500               |
| CH1608H1N8□  | 1.8           | 8       | 100             | >3000                | 0.12                        | 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                | 0.55                        | 300               |
| CH1608H27N□  | 27            | 8       | 100             | >3000                | 0.80                        | 300               |
| CH1608H33N□  | 33            | 8       | 100             | >3000                | 0.80                        | 300               |
| 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                  | 1.20                        | 300               |
| CH1608H R15□ | 150           | 8       | 50              | 500                  | 1.20                        | 300               |
| CH1608H R18□ | 180           | 8       | 50              | 400                  | 1.40                        | 300               |
| CH1608H R22□ | 220           | 8       | 50              | 350                  | 1.50                        | 300               |
| CH1608H R27□ | 270           | 8       | 50              | 300                  | 1.80                        | 300               |

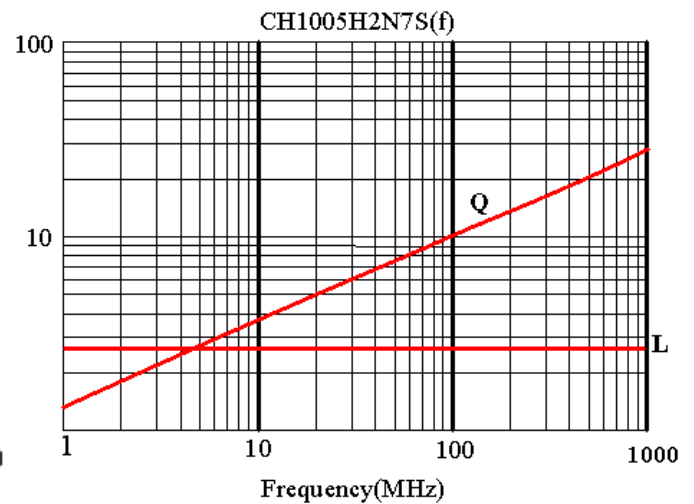
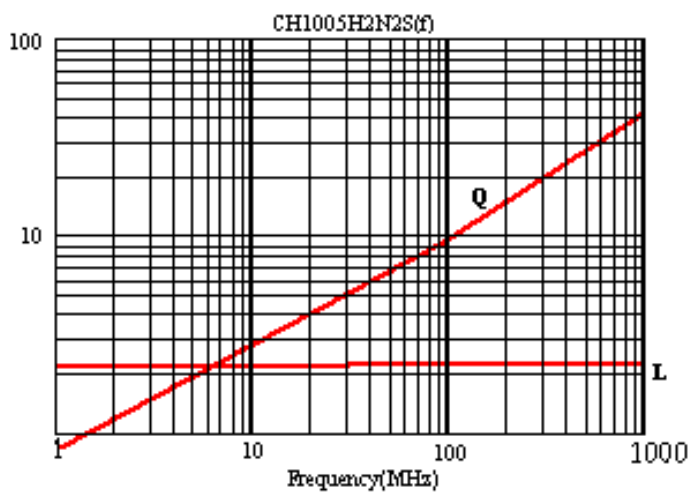
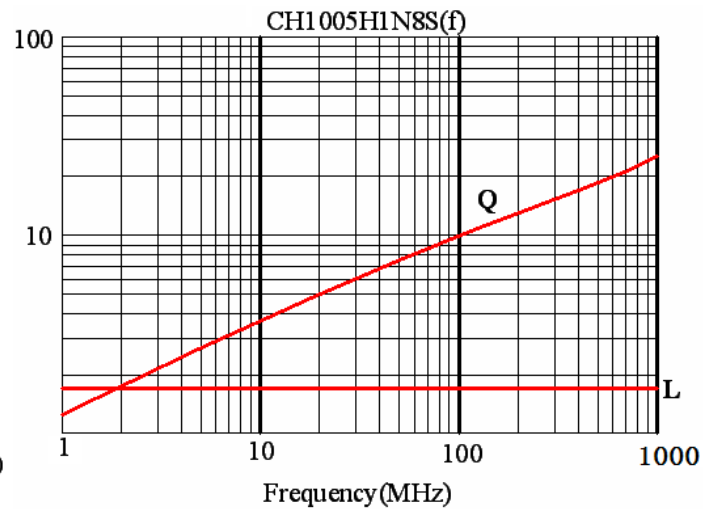
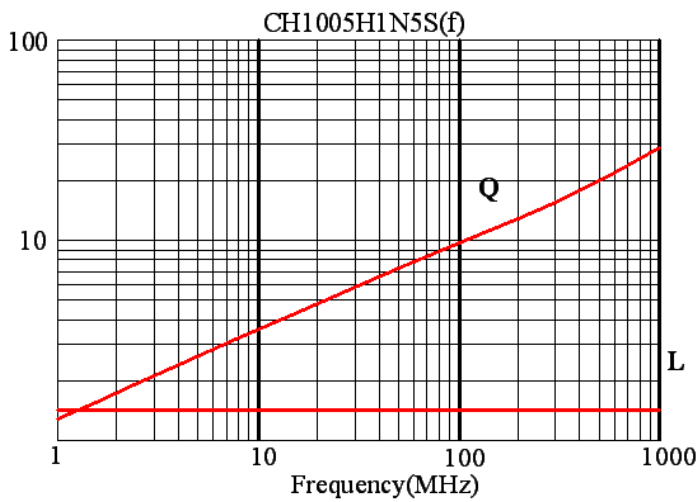
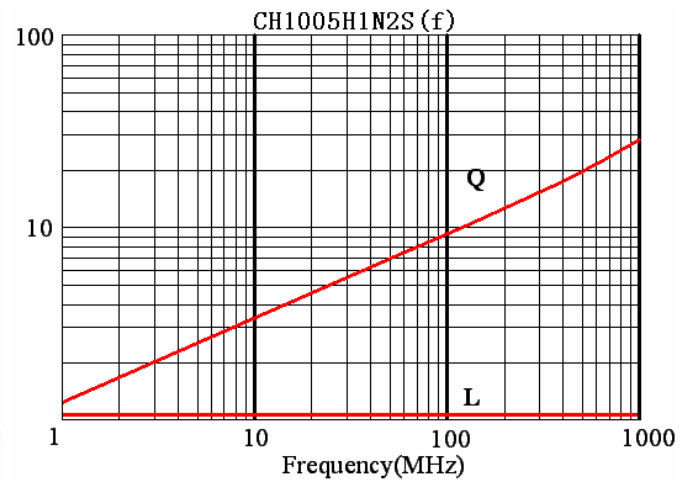
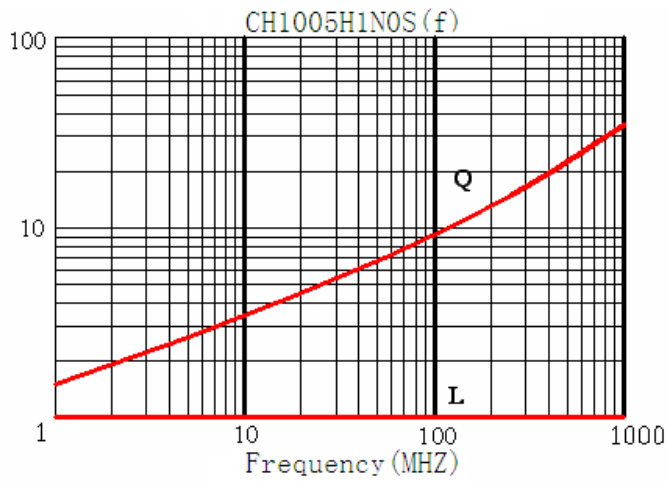
□ : 表示电感量偏差代号为 K、J、D、S。 K:±10%, J:±5%, D:±0.5nH, S:±0.3nH

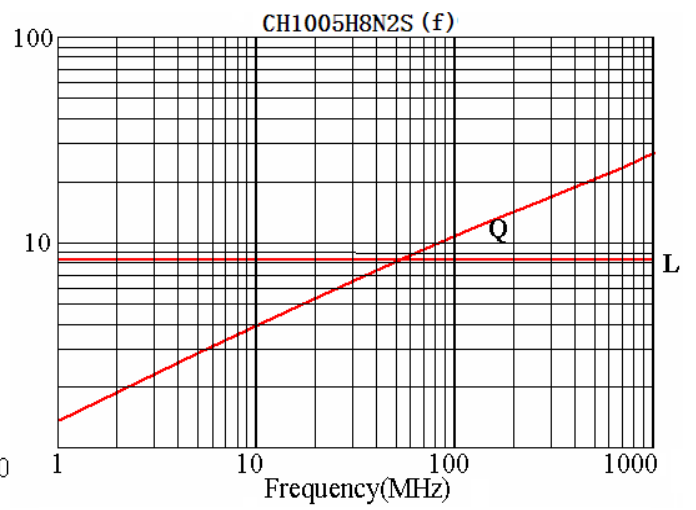
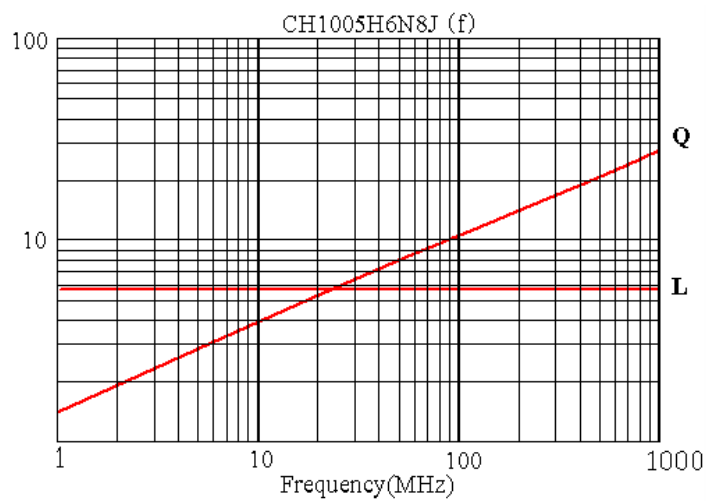
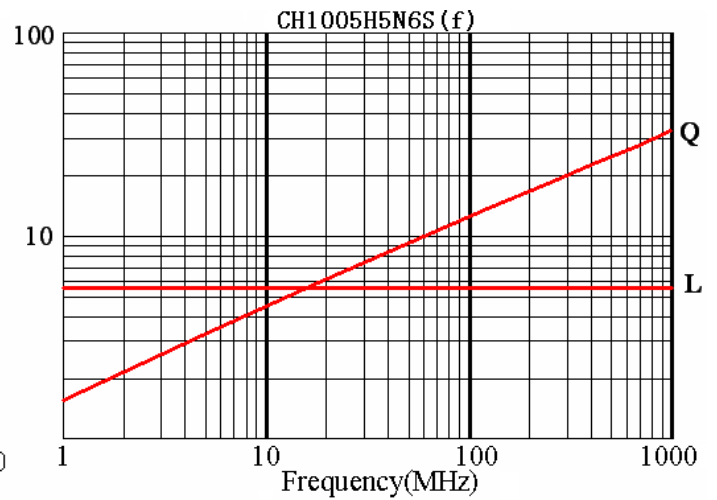
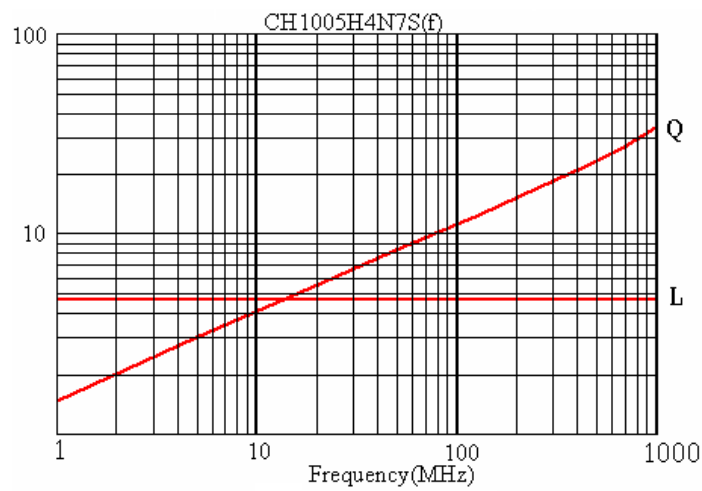
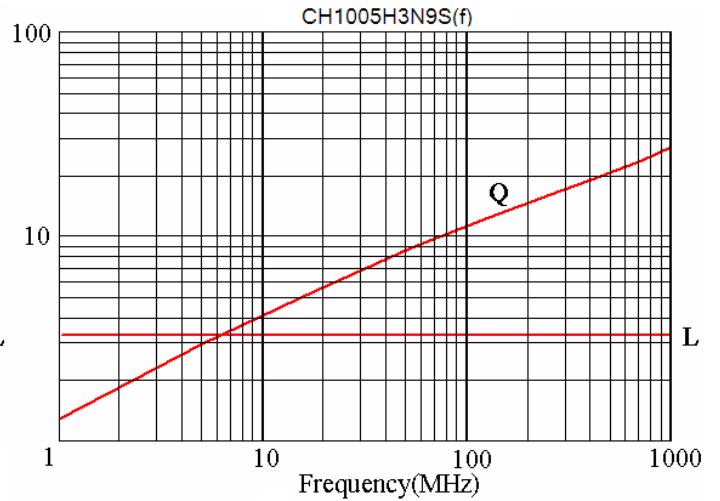
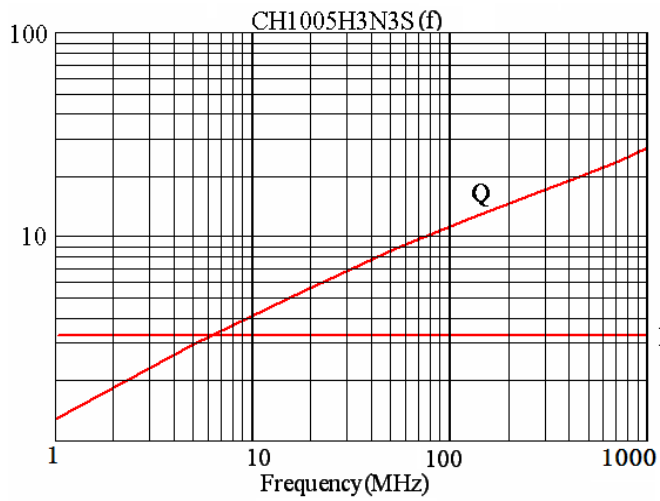
## CH2012 型

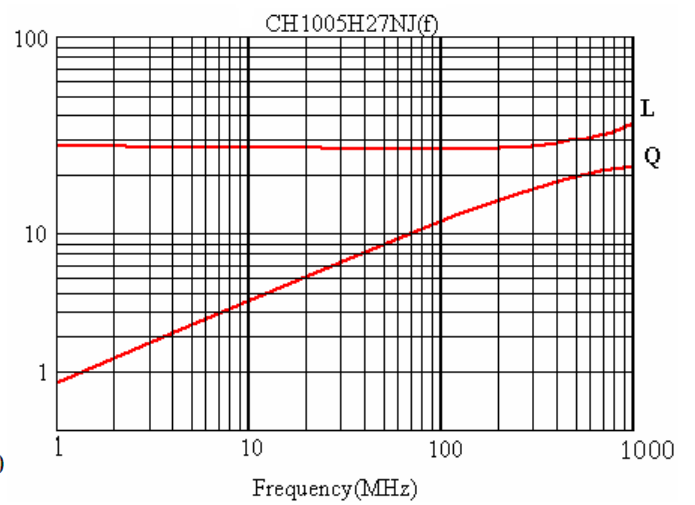
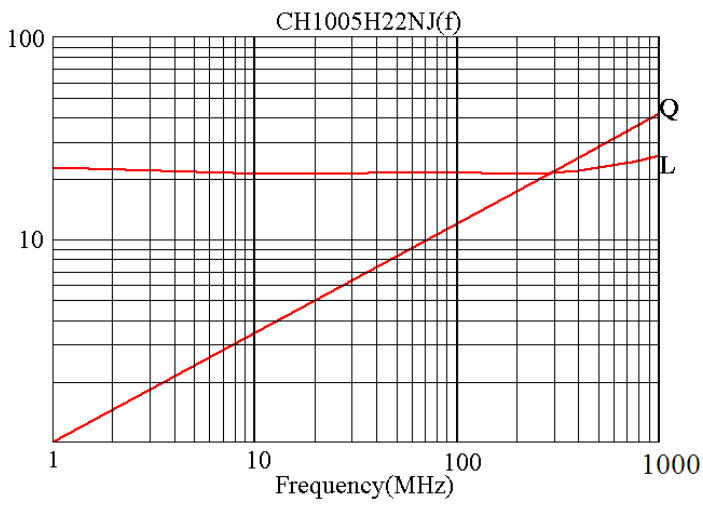
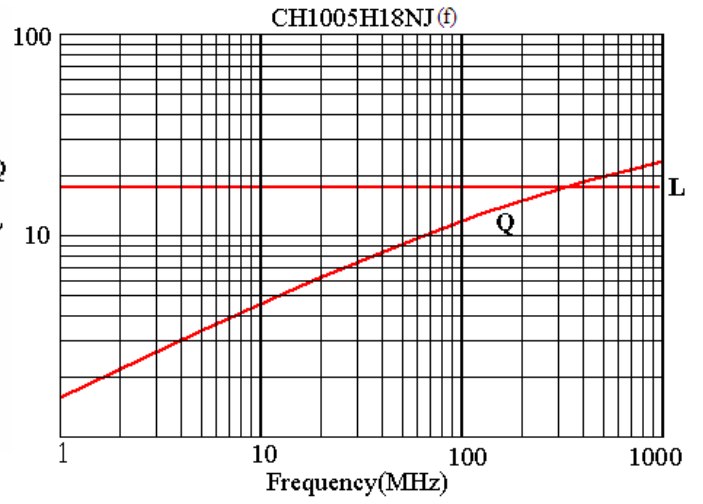
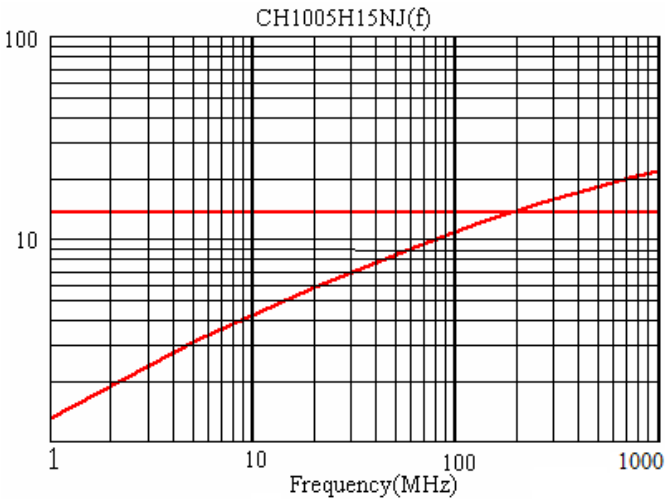
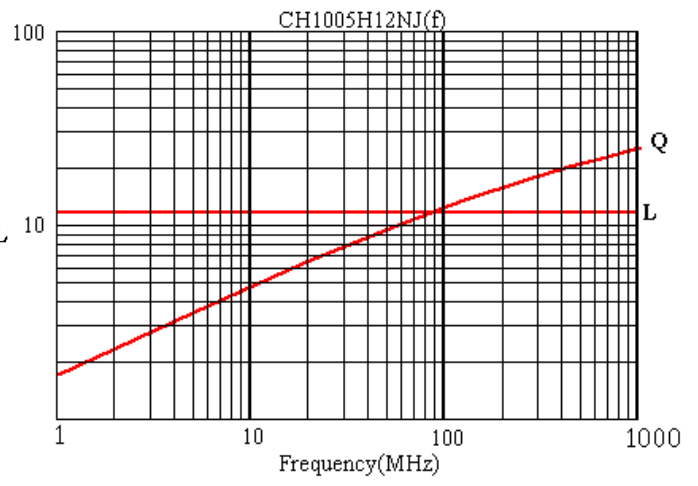
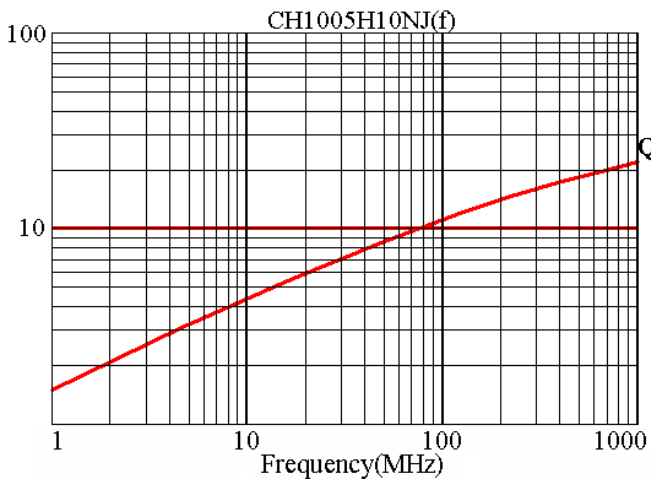
| 产品规格代码       | 电感量 L<br>(nH) | Q min 值 | L、Q 测定频率<br>MHz | 自谐频率<br>SRFmin (MHz) | 直流电阻<br>DCR max(Ω) | 额定电流<br>Imax (mA) |
|--------------|---------------|---------|-----------------|----------------------|--------------------|-------------------|
| CH2012H 1N0□ | 1.0           | 10      | 100             | >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             | 2450                 | 0.30               | 300               |
| CH2012H 15N□ | 15            | 10      | 100             | 2000                 | 0.40               | 300               |
| CH2012H 18N□ | 18            | 10      | 100             | 1750                 | 0.45               | 300               |
| CH2012H 22N□ | 22            | 10      | 100             | 1700                 | 0.50               | 300               |
| 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            | 15      | 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           | 15      | 50              | 500                  | 1.50               | 300               |
| CH2012H R15□ | 150           | 15      | 50              | 500                  | 1.50               | 300               |
| CH2012H R22□ | 220           | 13      | 50              | 350                  | 2.10               | 200               |

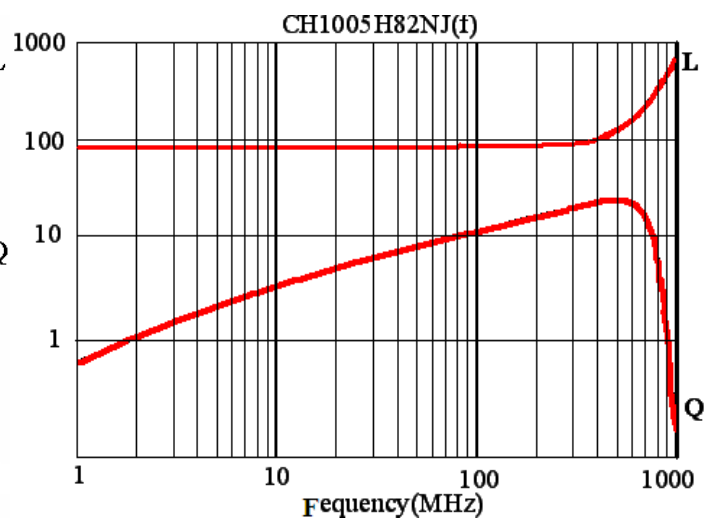
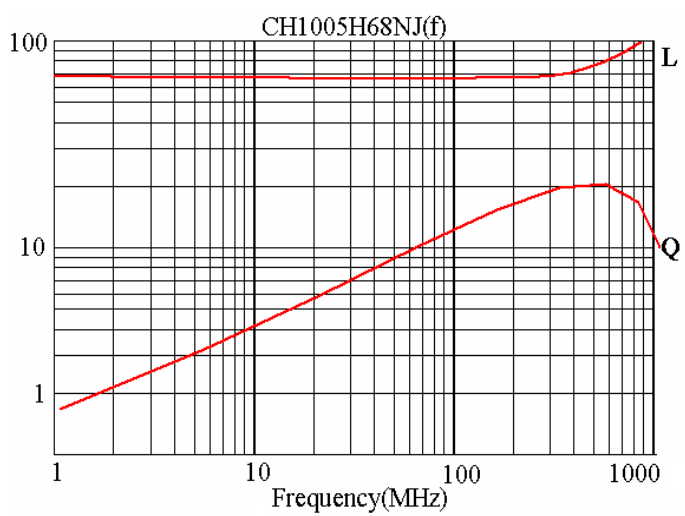
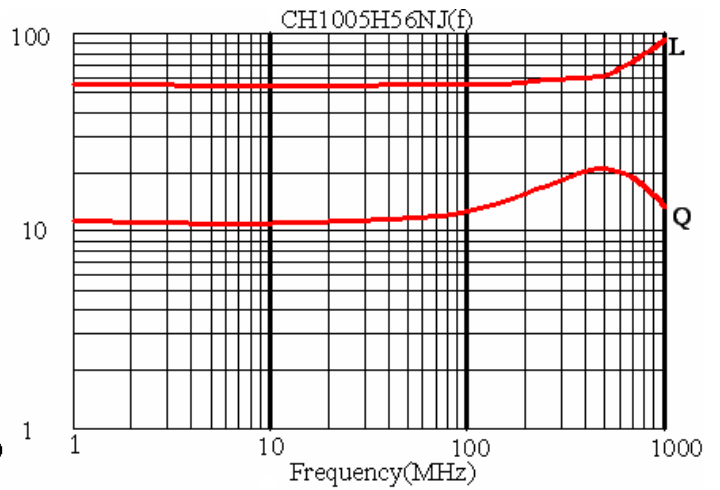
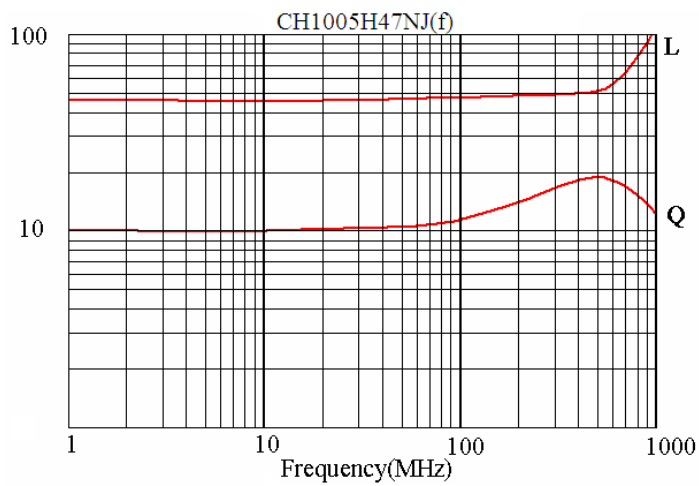
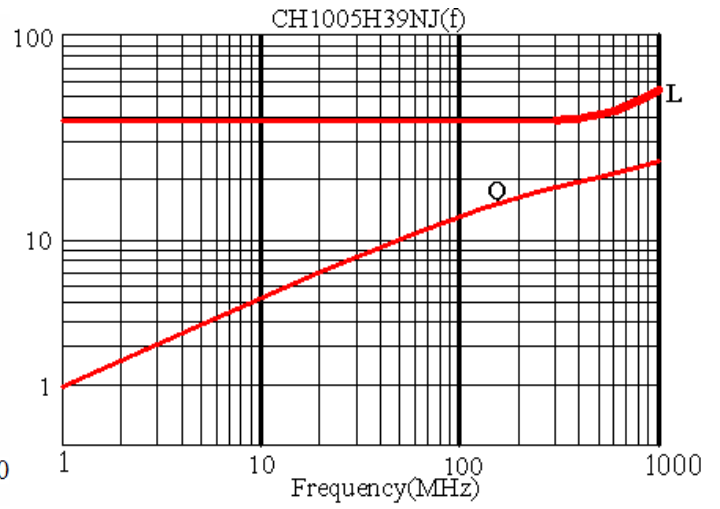
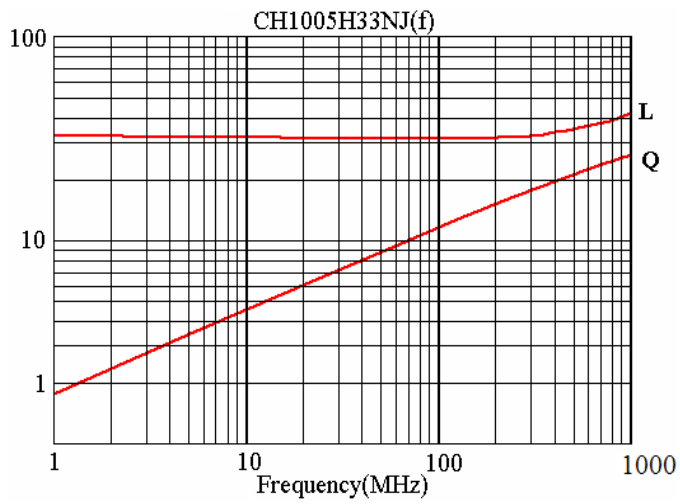
□ : 表示电感量偏差代号为 K、J、D、S。 K:±10%, J:±5%, D:±0.5nH, S:±0.3nH

## CH1005 TYPE

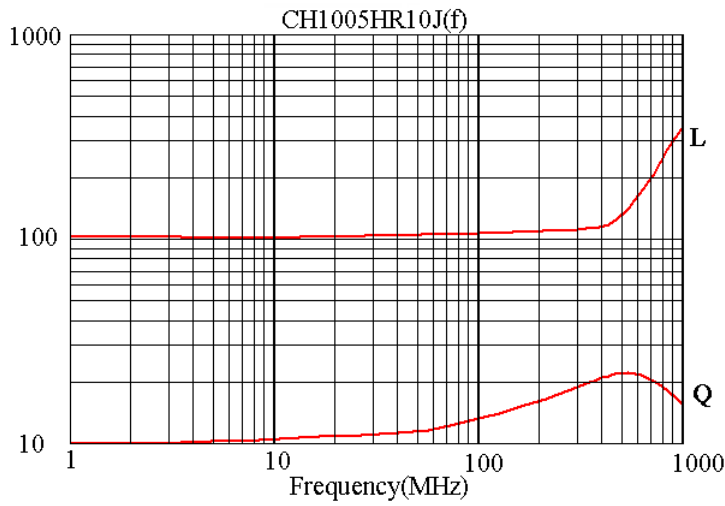




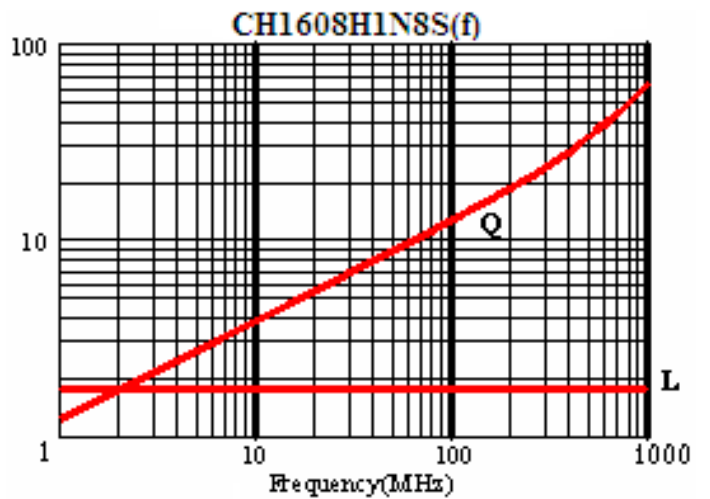
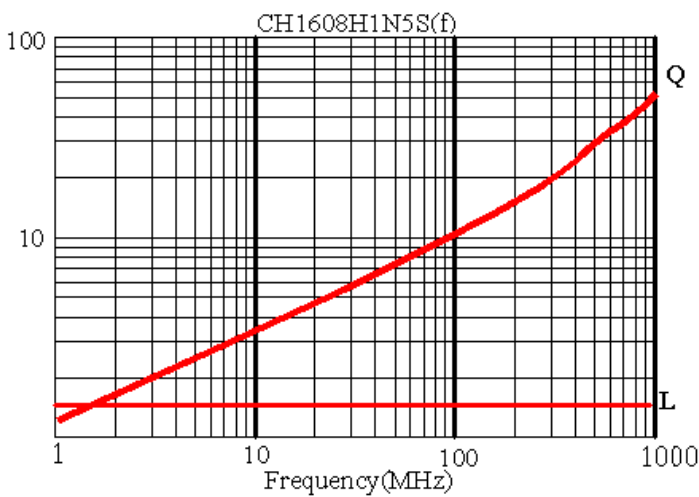
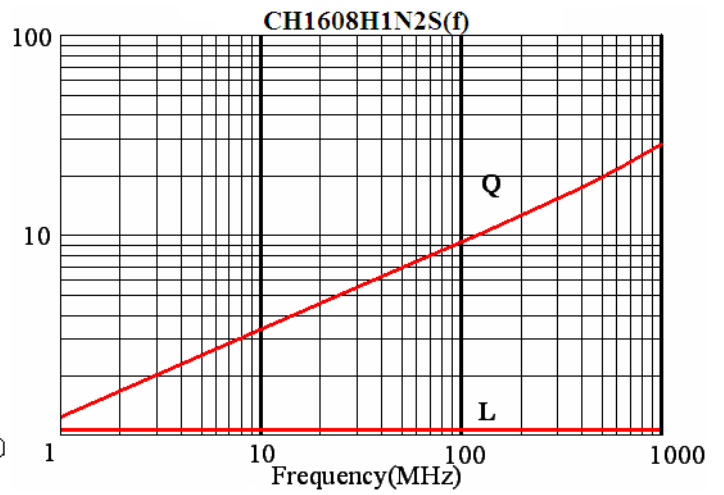
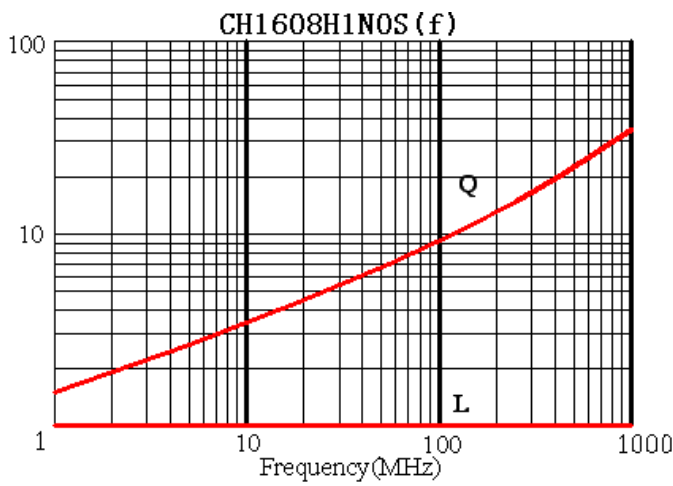


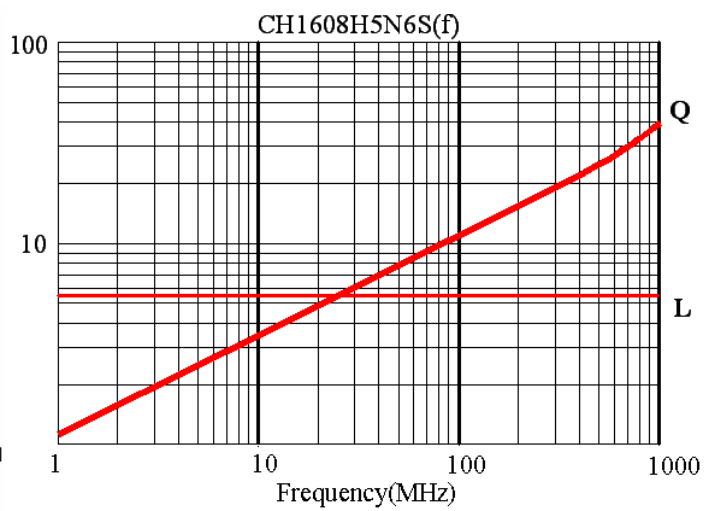
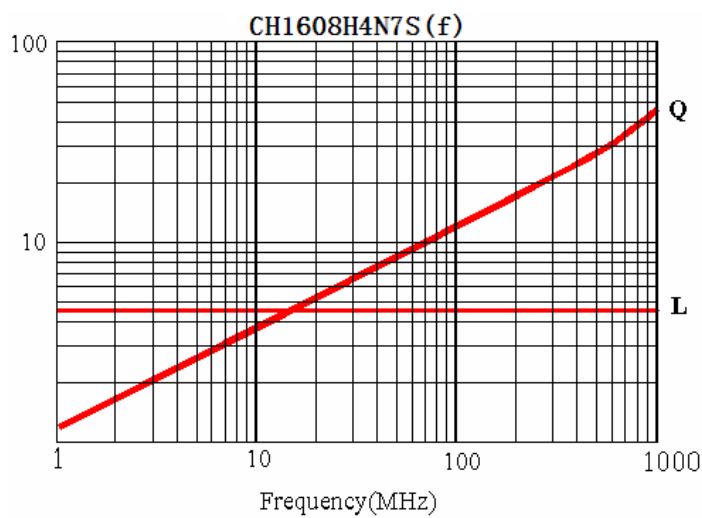
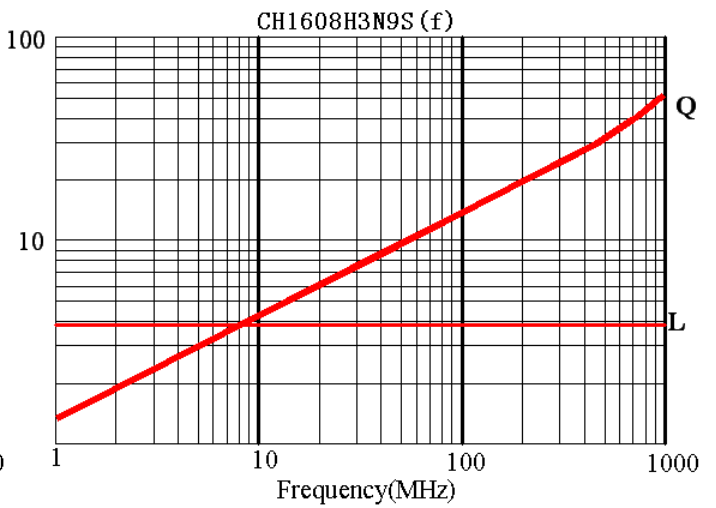
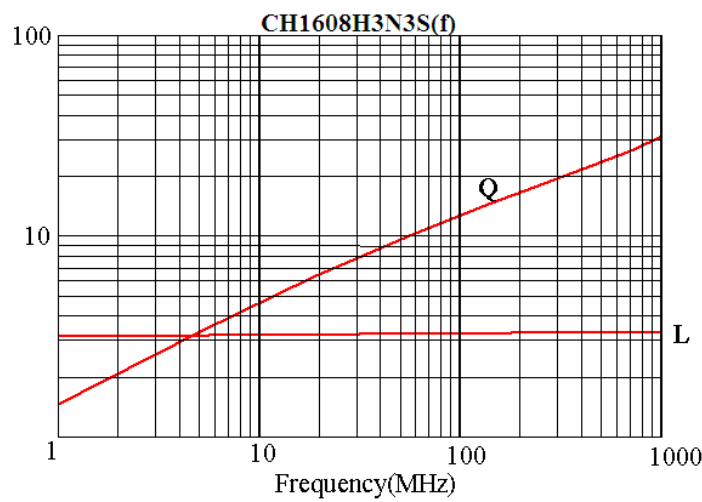
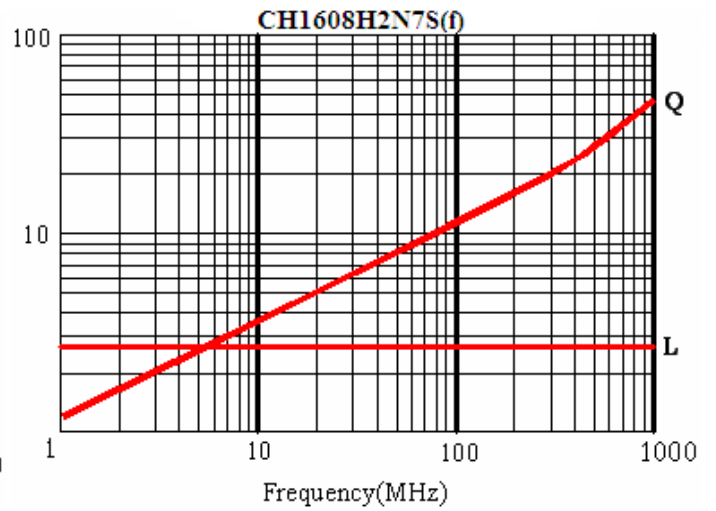
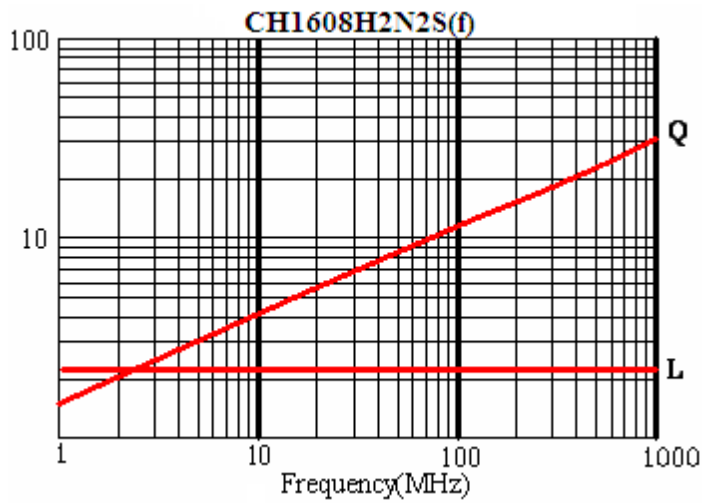


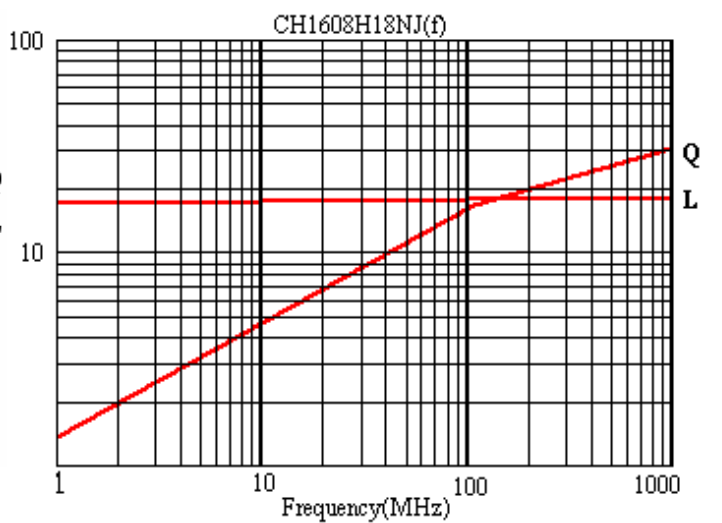
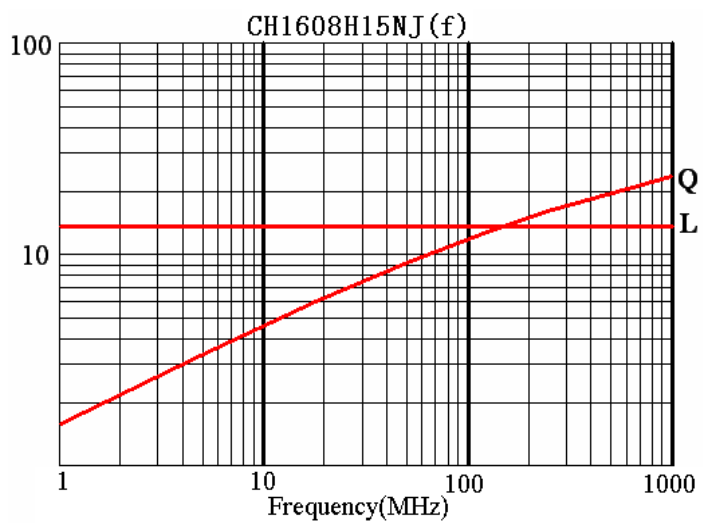
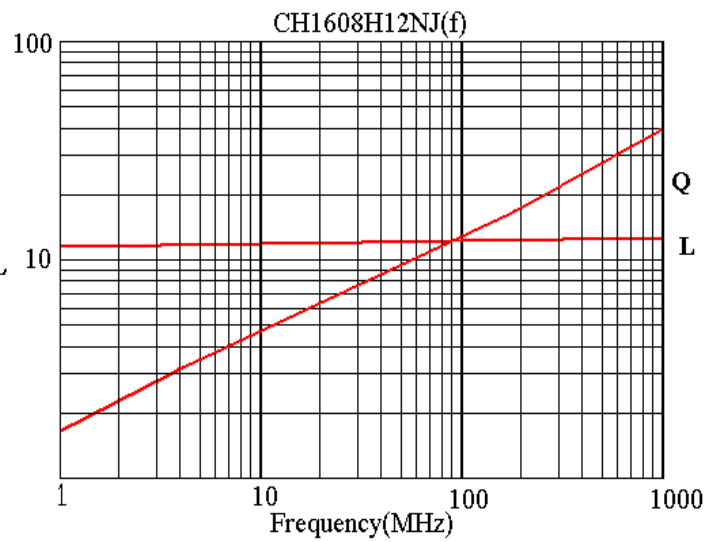
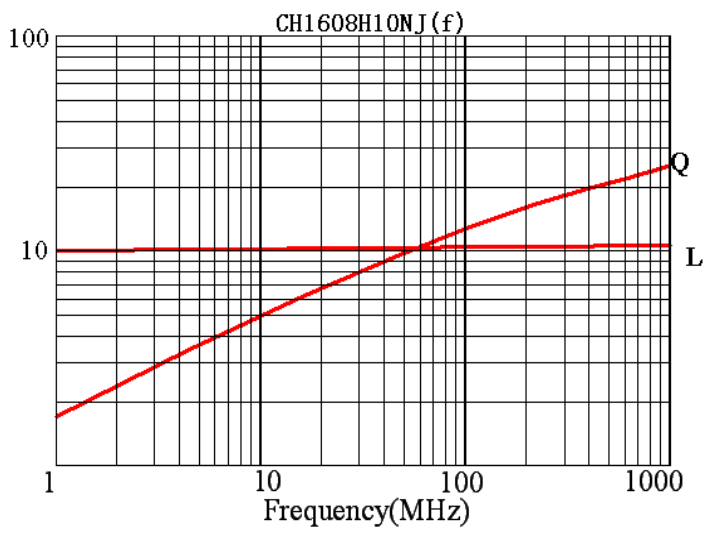
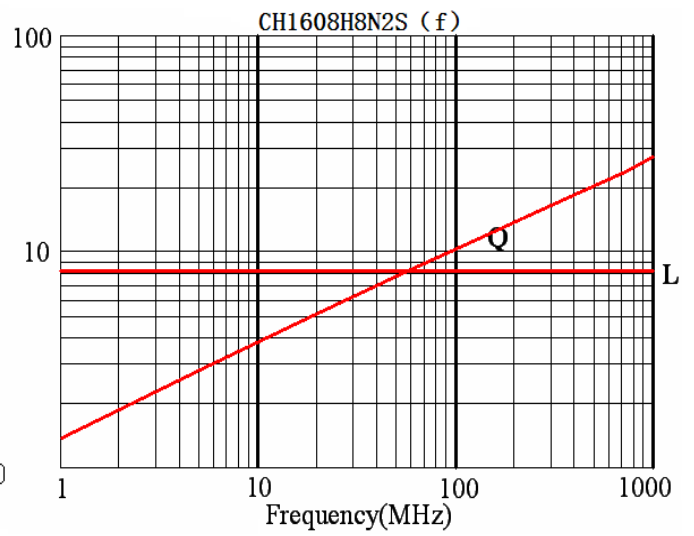
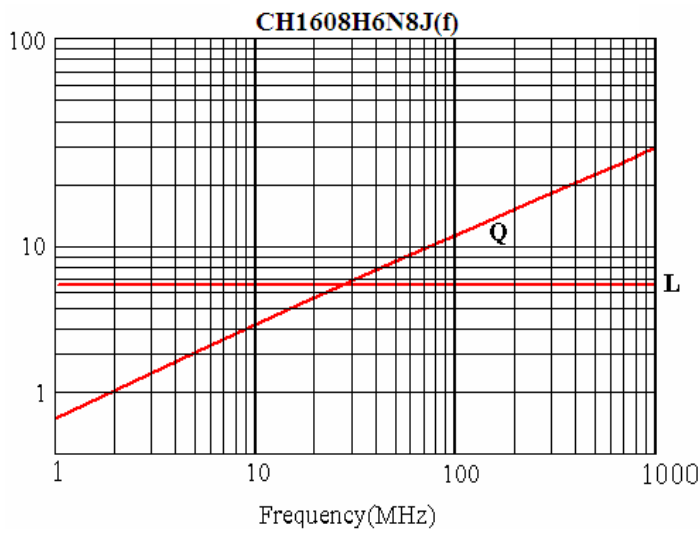


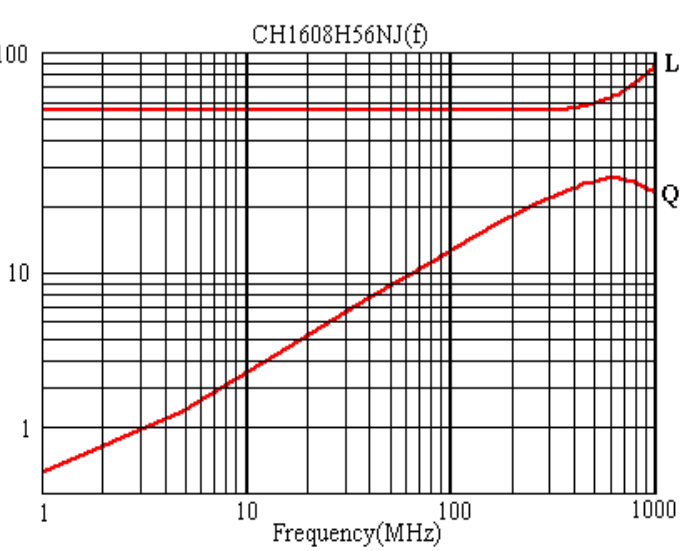
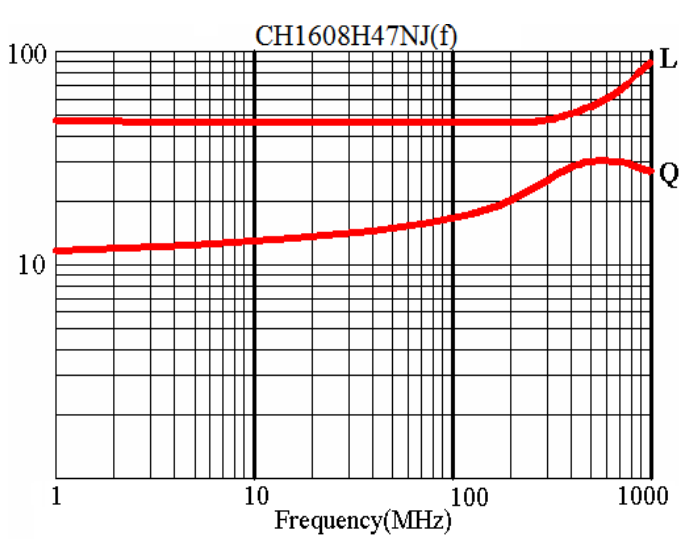
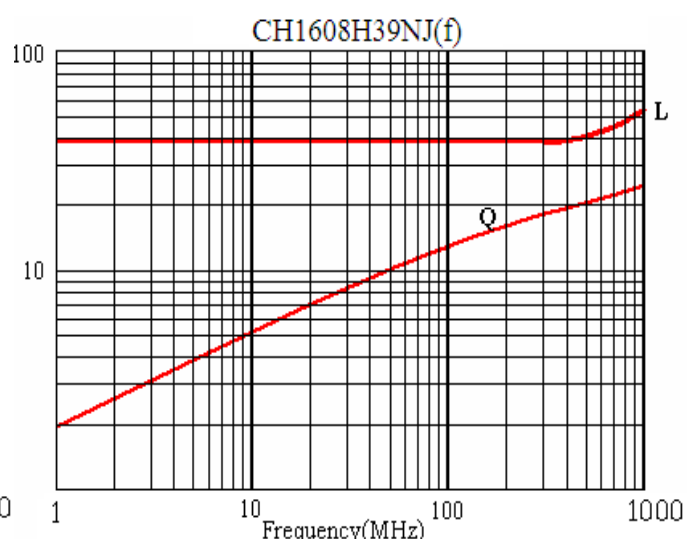
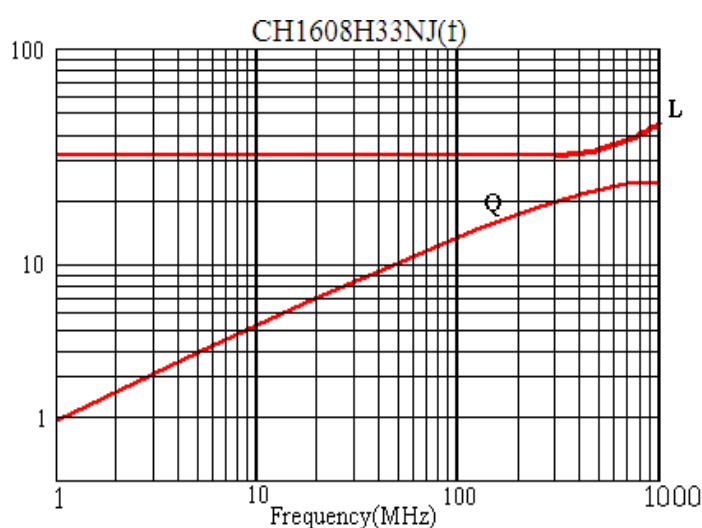
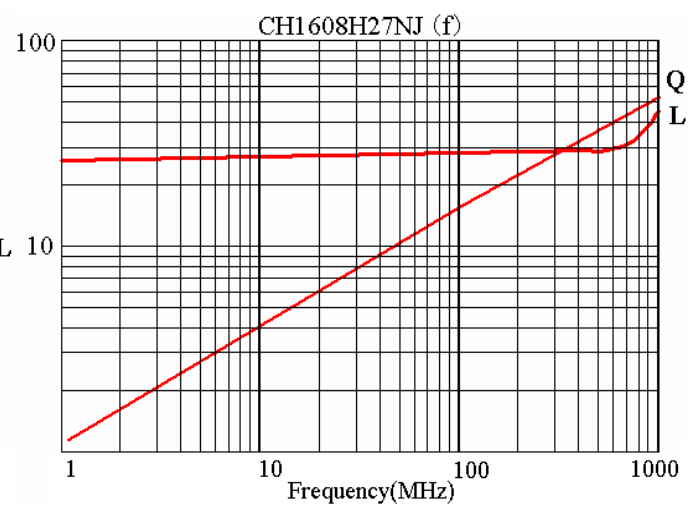
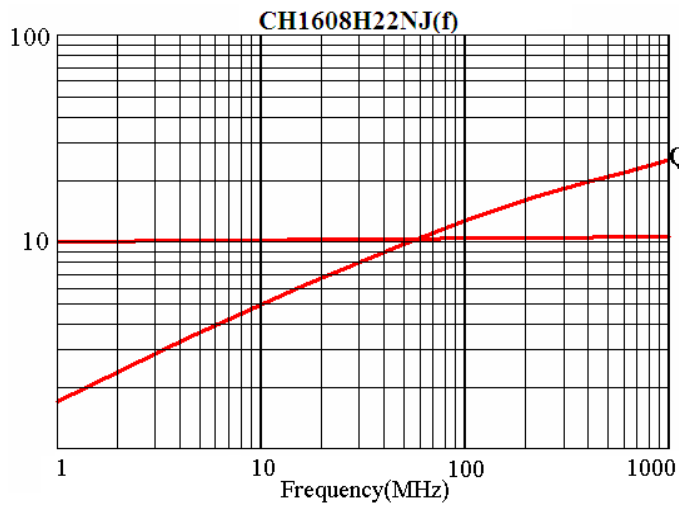


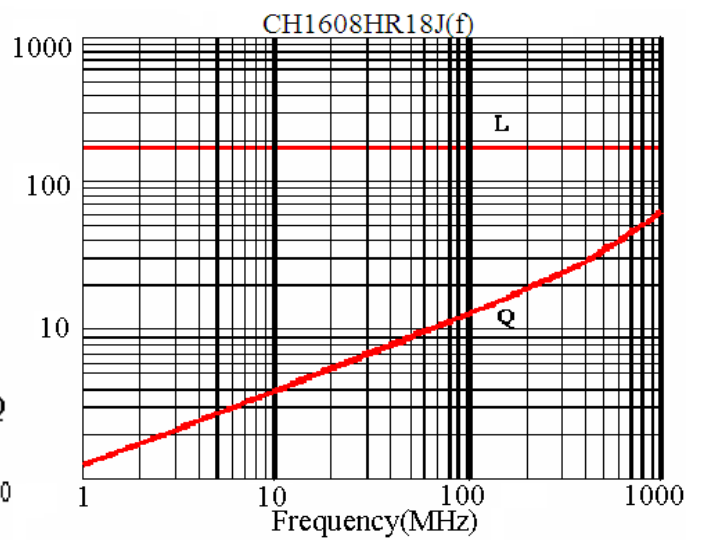
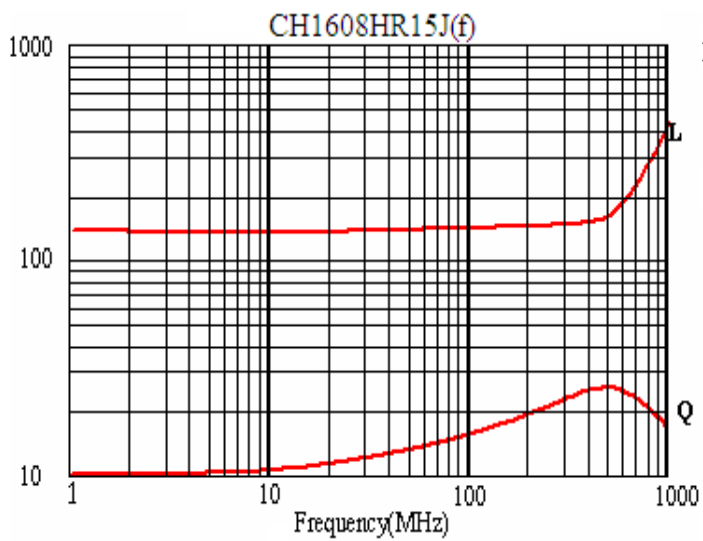
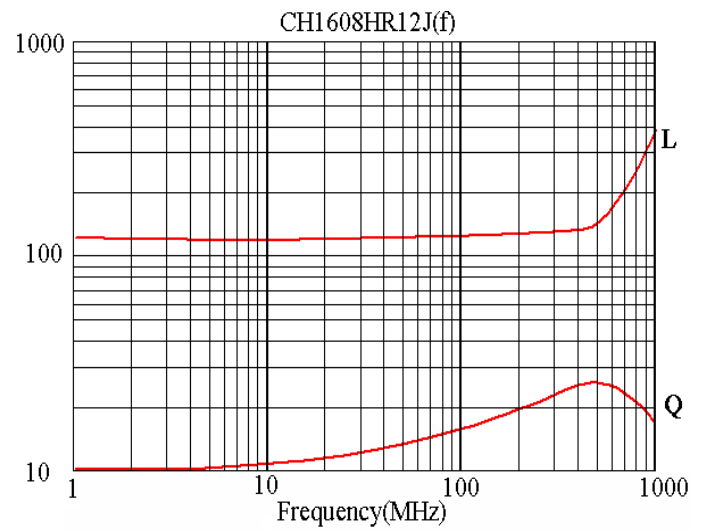
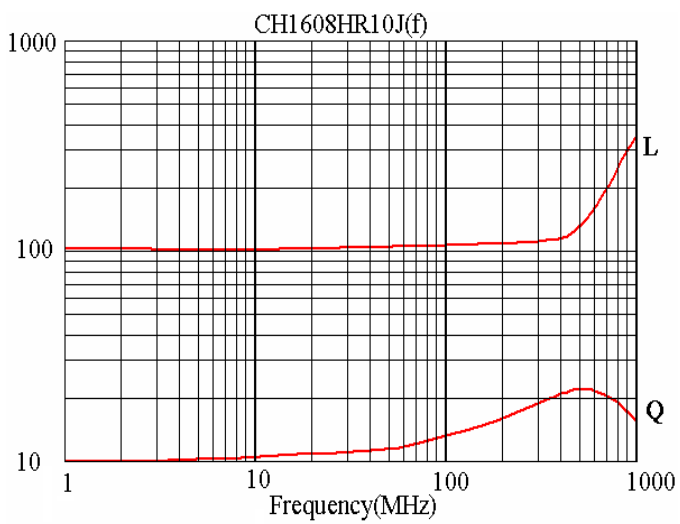
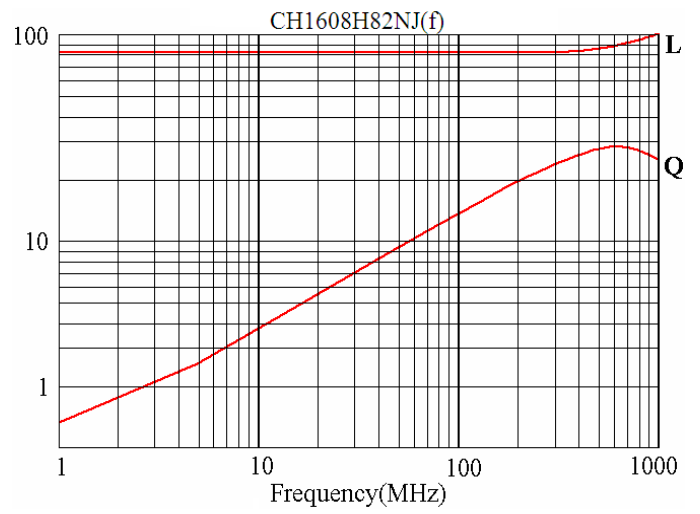
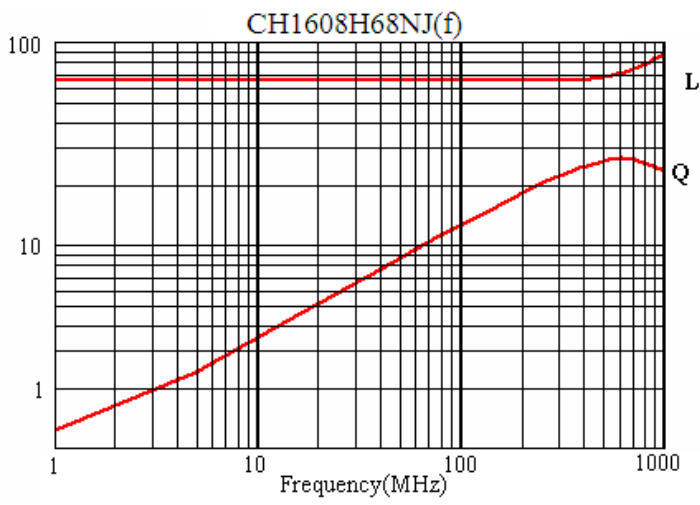
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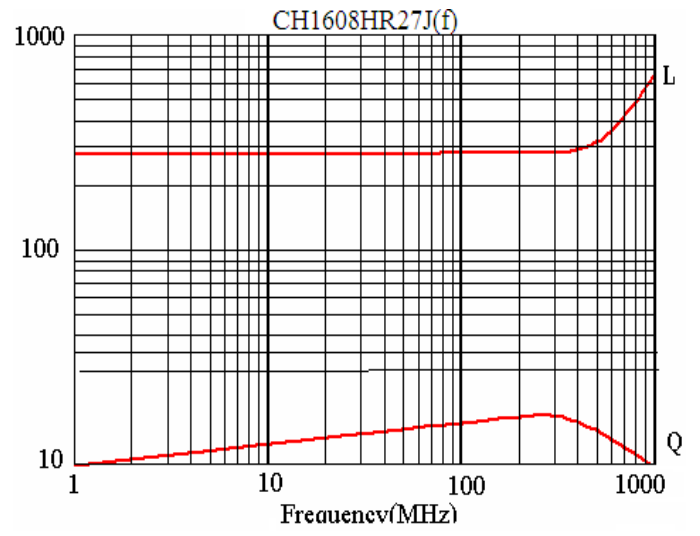
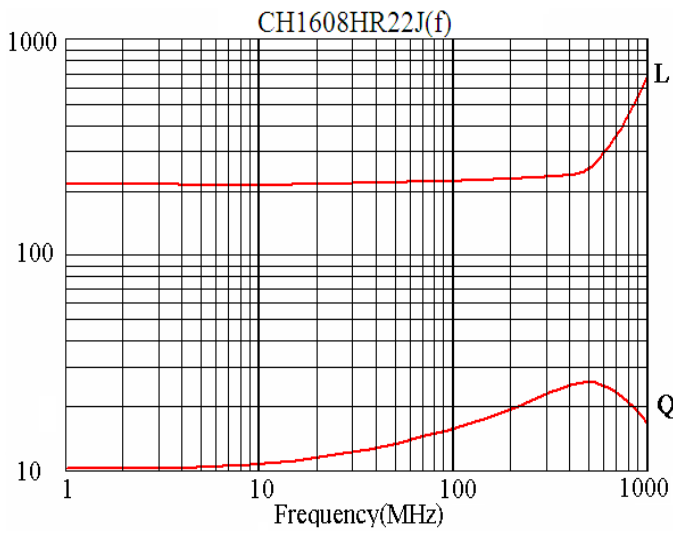




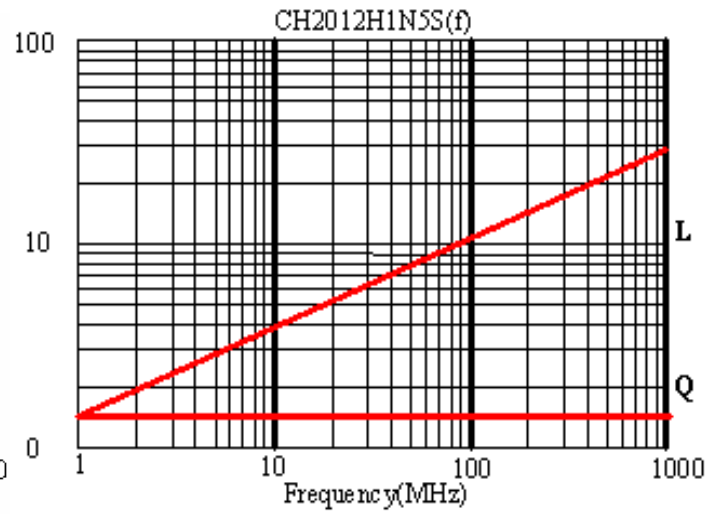
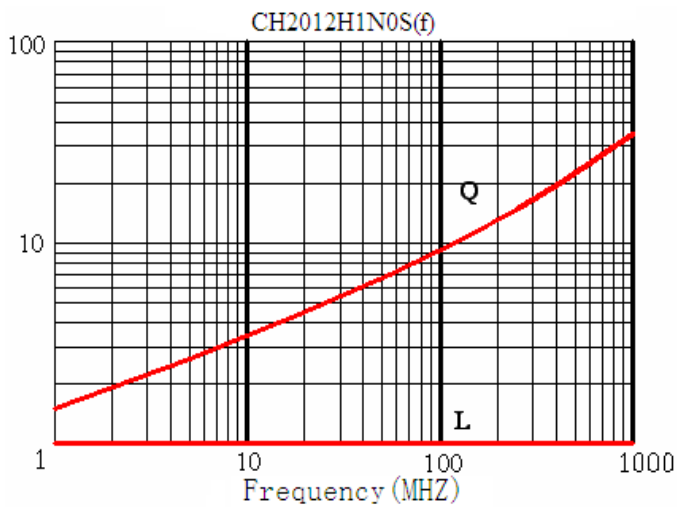


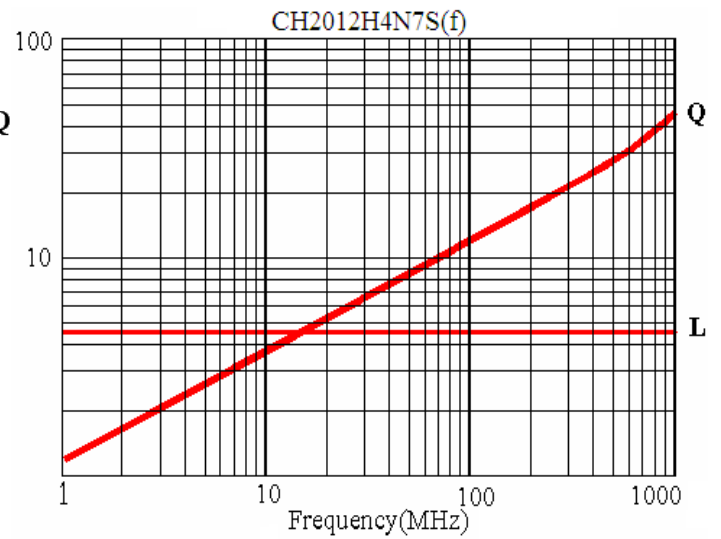
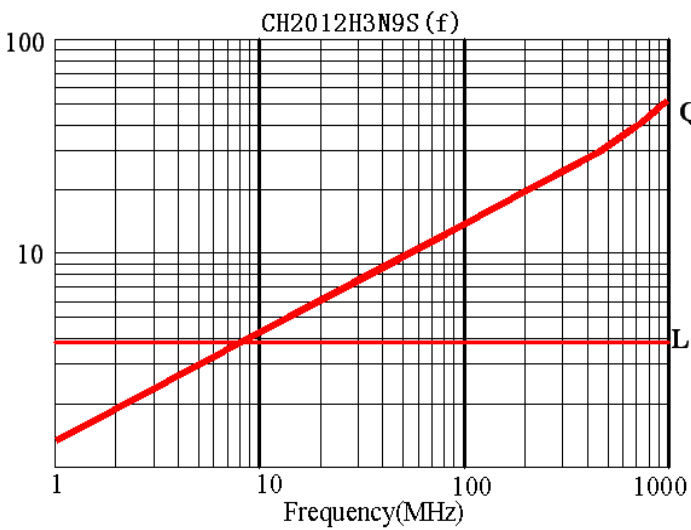
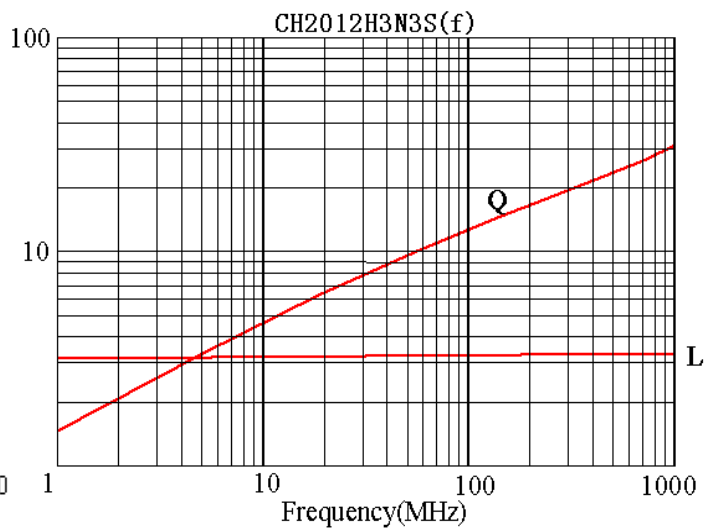
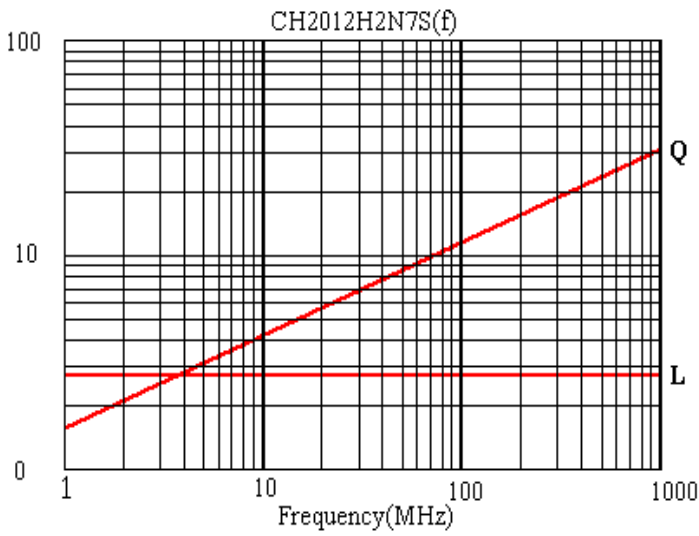
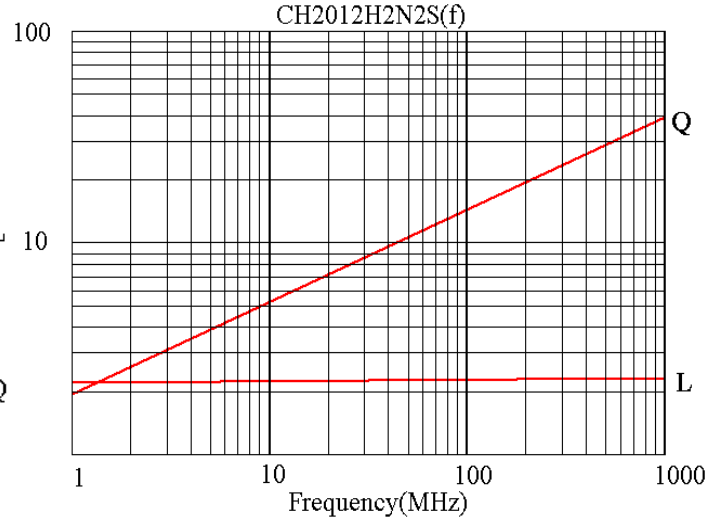
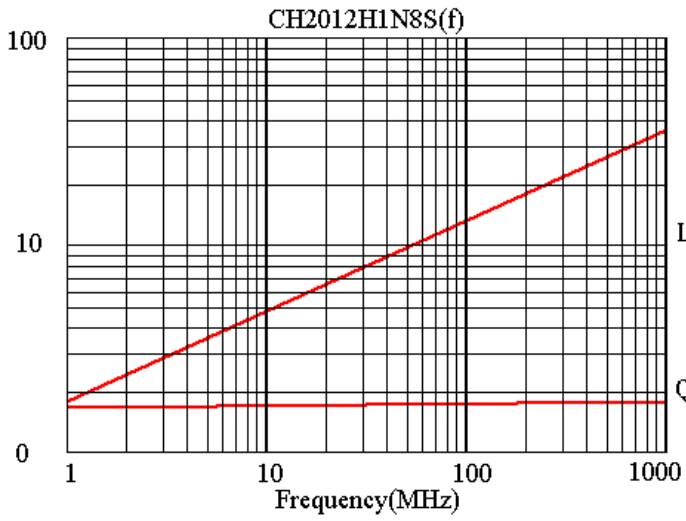


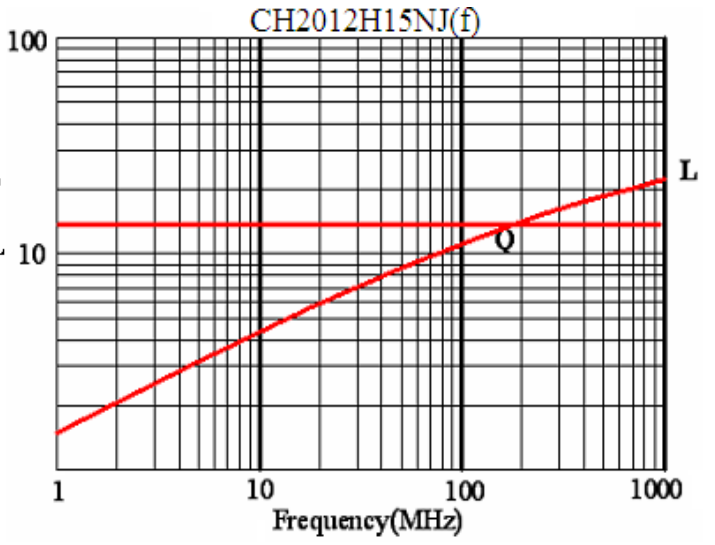
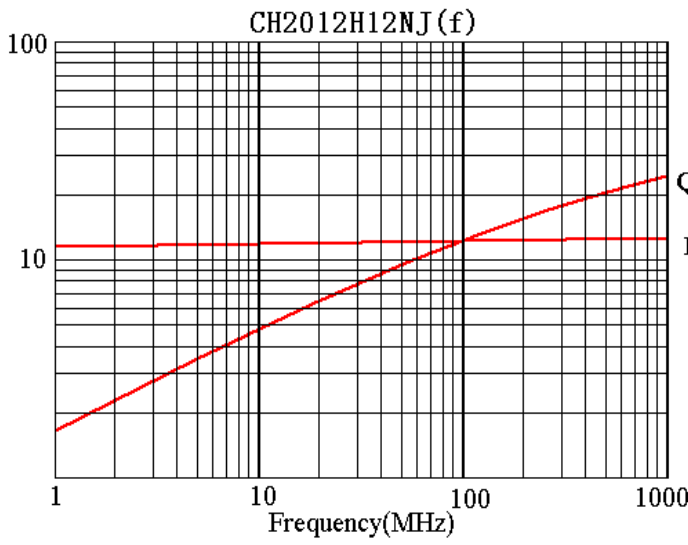
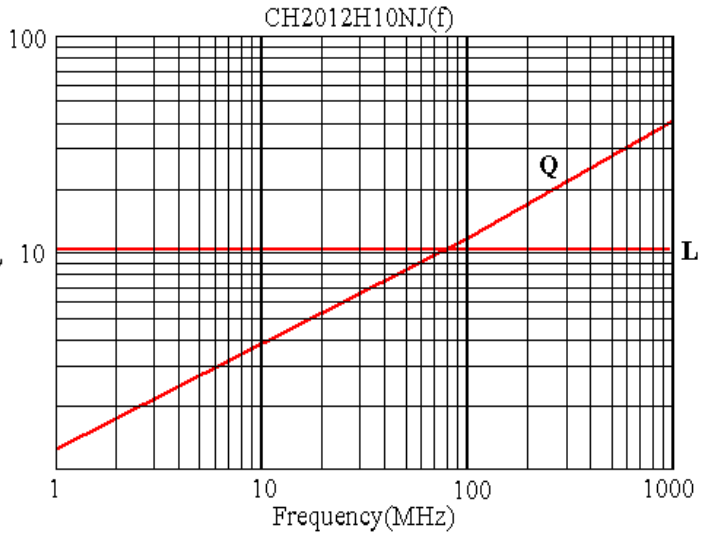
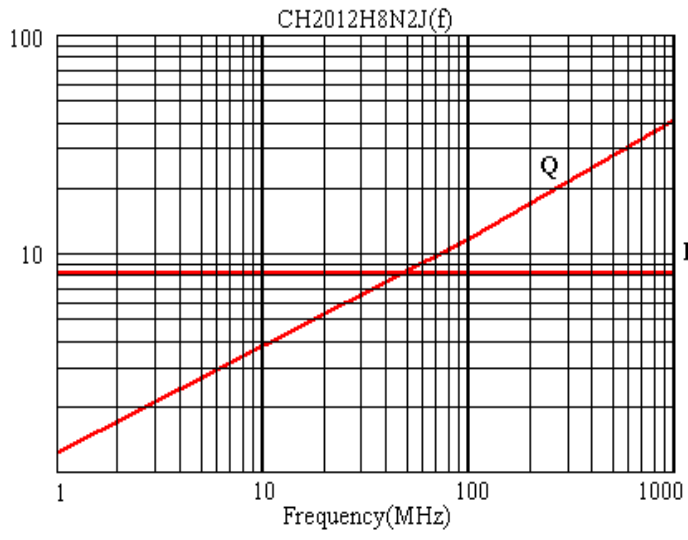
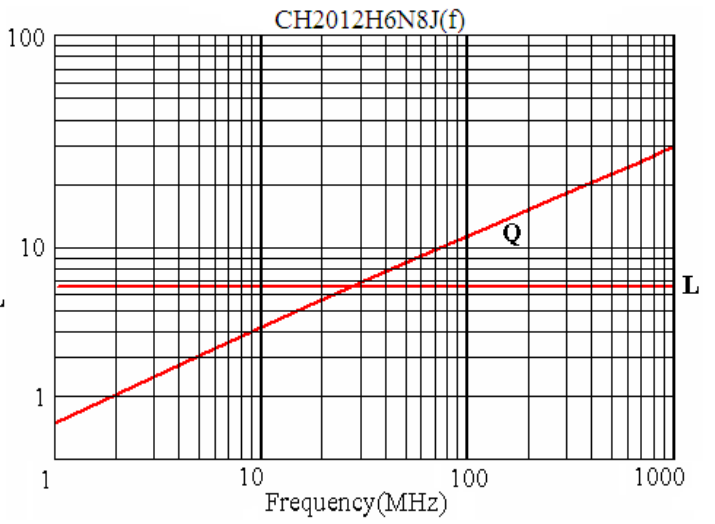
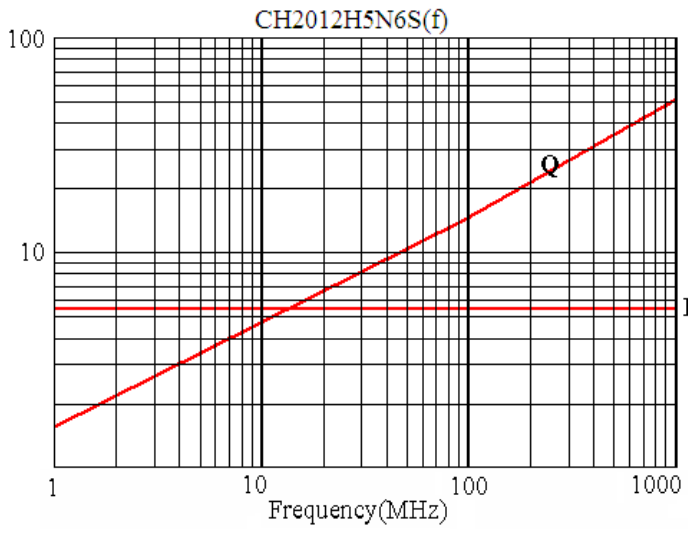




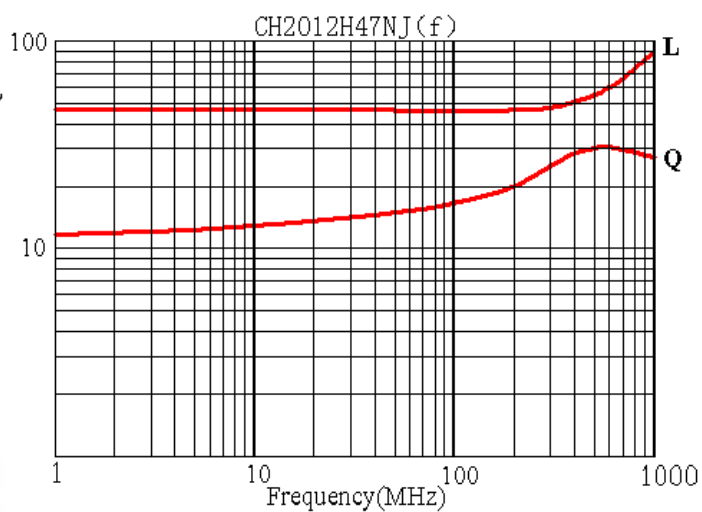
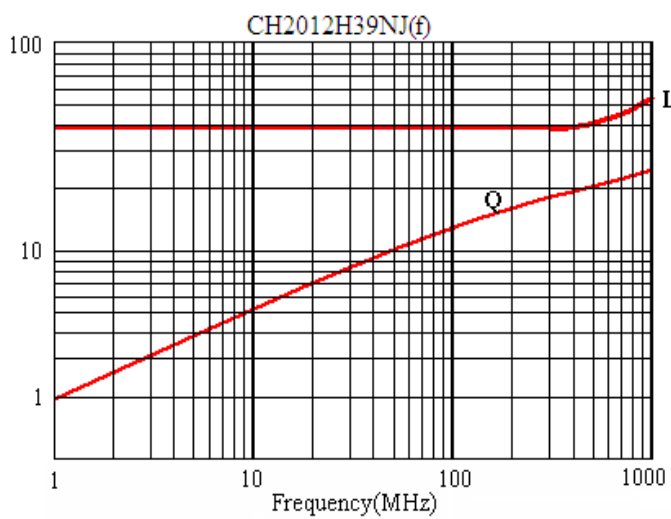
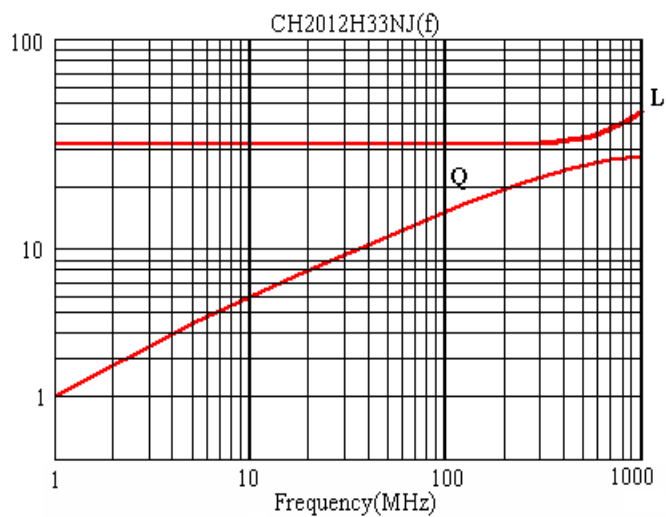
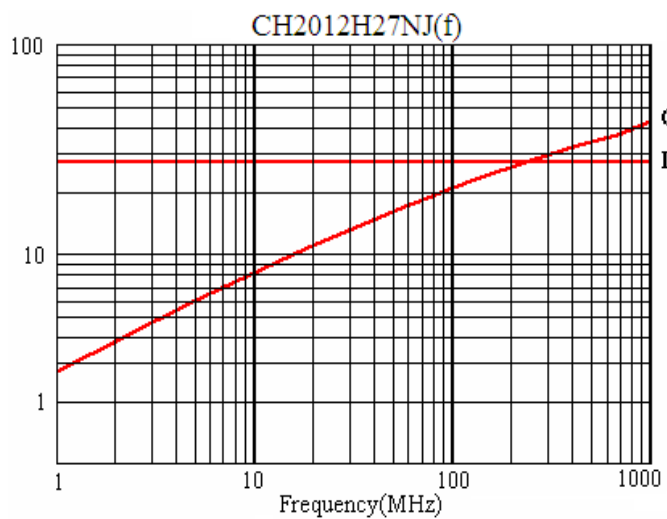
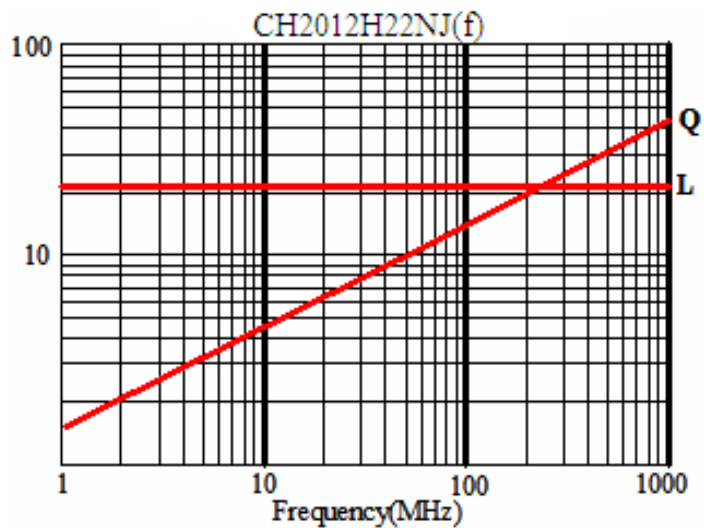
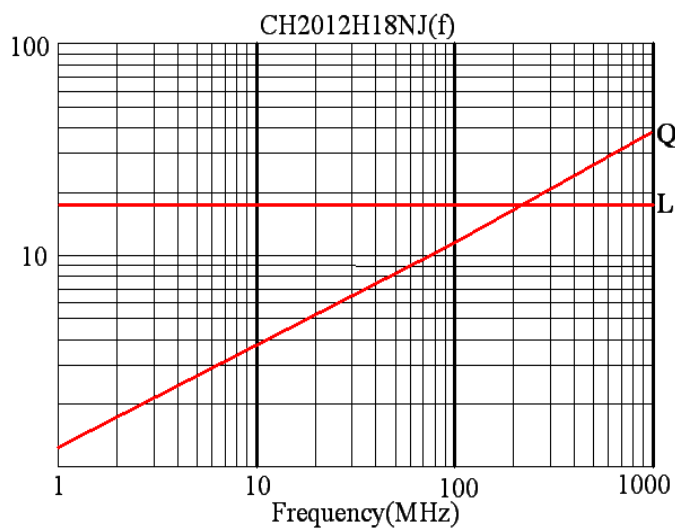
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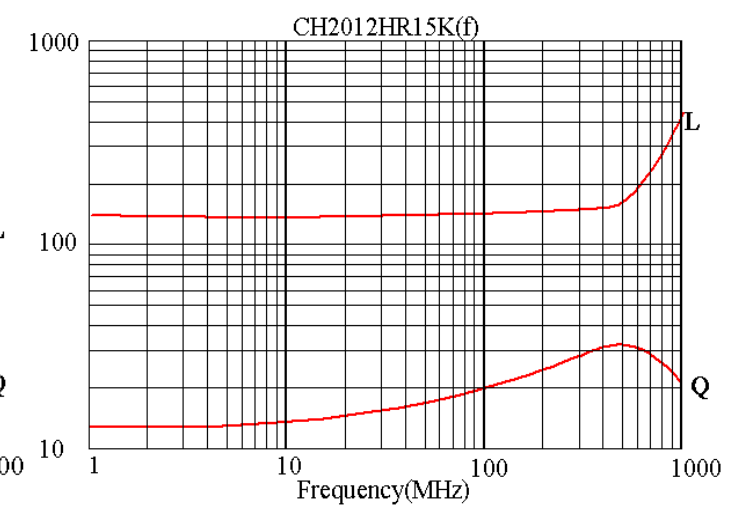
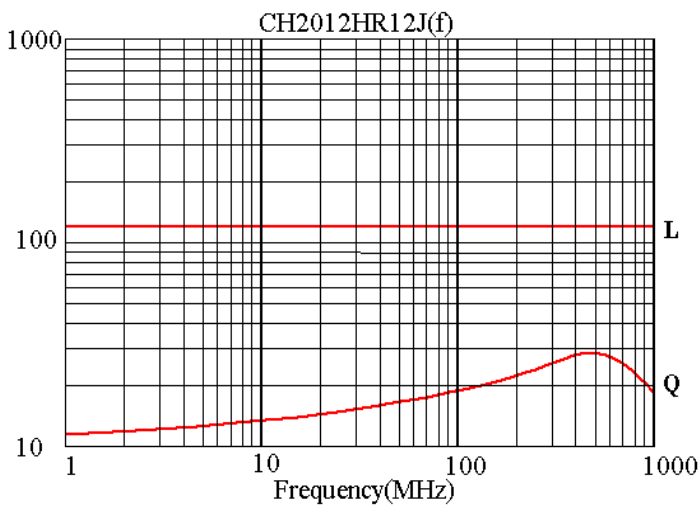
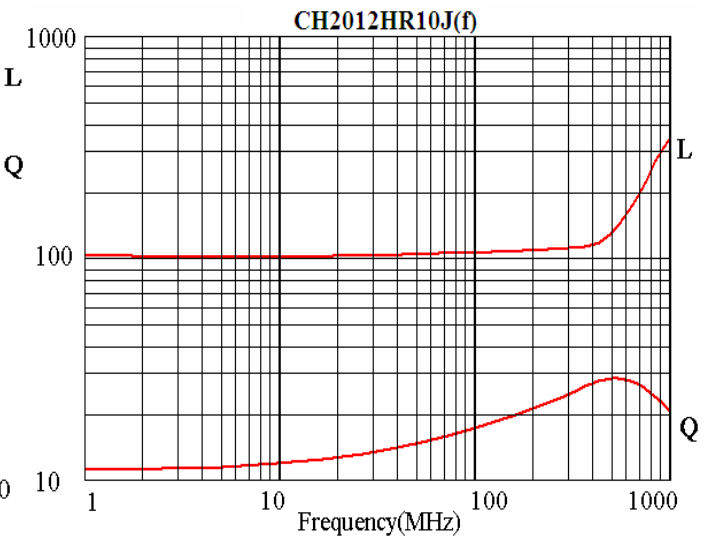
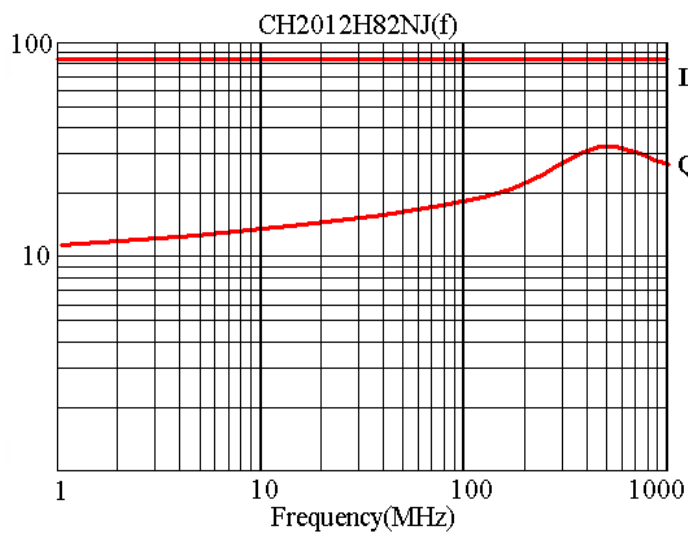
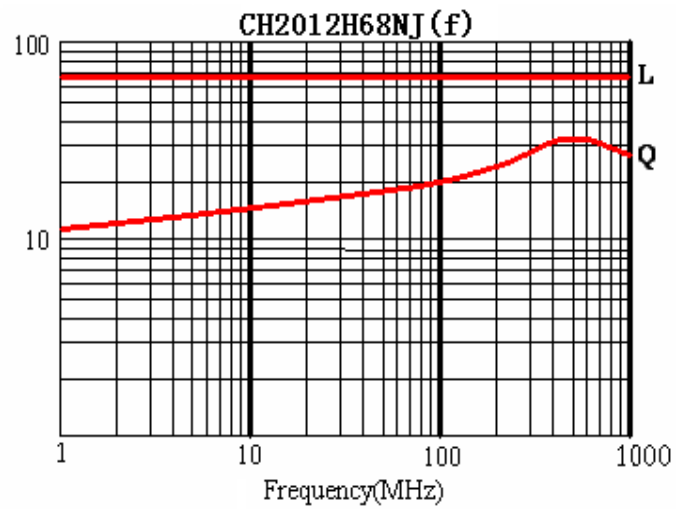
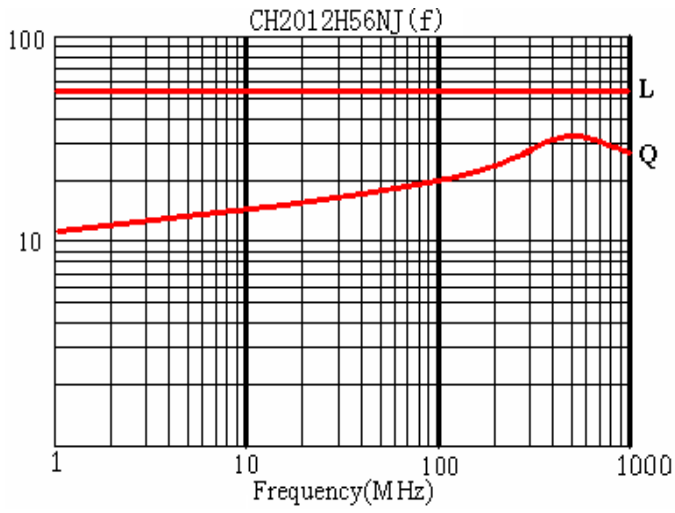




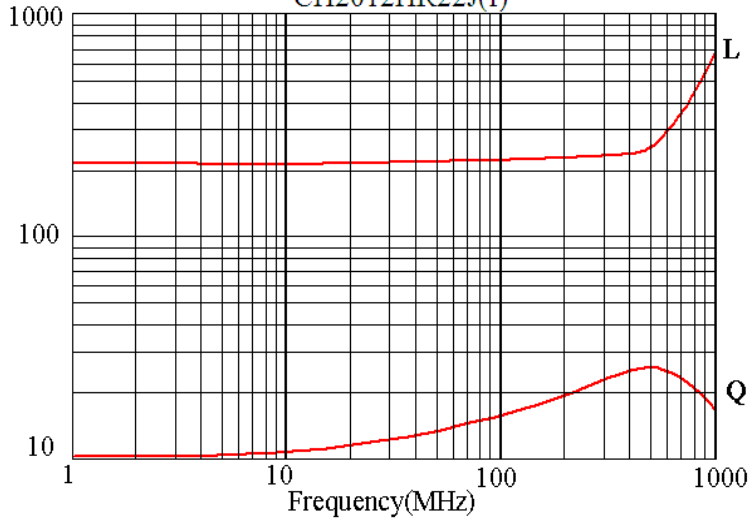








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