

SCLH0603  
(EIA Code 0201)



SCLH1005  
(EIA Code 0402)



SCLH1608 (EIA Code 0603)  
SCLH2012 (EIA Code 0805)



### FEATURES

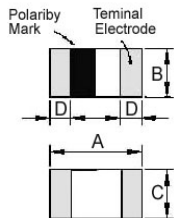
- Excellent Q factor and SRF characteristics
- Small size is suitable for small portable equipment
- Supports operating frequency up to 6GHz with inductance values from 0.6nH to 470nH
- -55°C ~ +125°C
- AEC-Q200 (suffix CG) type is available

### APPLICATIONS

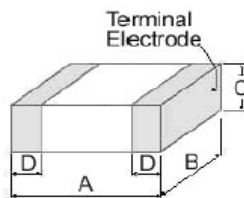
- RF Resonance and Impedance Matching Circuit
- RF and wireless communication
- Information technology equipment, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems
- Use in L-C filter configurations
- Packing Type: T : Taping B : Bulk
- Product series identification:  
SCLH0603-S: Top side full mark  
SCLH1005-S: white  
SCLH1608-S: white  
SCLH2012-S: white

### SHAPES AND DIMENSIONS

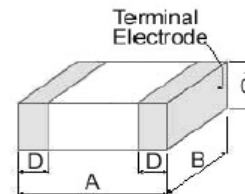
SCLH0603 Series  
(0201)



SCLH1005 Series  
(0402)



SCLH1608 Series (0603)  
SCLH2012 Series (0805)

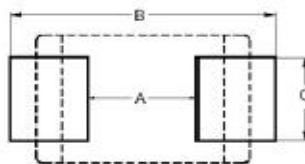


Dimensions in mm

| TYPE       | A        | B        | C        | D         |
|------------|----------|----------|----------|-----------|
| 0603(0201) | 0.6±0.03 | 0.3±0.03 | 0.3±0.03 | 0.15±0.05 |
| 1005(0402) | 1.0±0.10 | 0.5±0.10 | 0.5±0.10 | 0.25±0.10 |

| TYPE       | A        | B        | C        | D       |
|------------|----------|----------|----------|---------|
| 1608(0603) | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.3±0.2 |
| 2012(0805) | 2.0±0.2  | 1.25±0.2 | 0.9±0.2  | 0.5±0.3 |

### Recommended Pattern



Dimensions in mm

| TYPE     | A         | B           | C         |
|----------|-----------|-------------|-----------|
| SCLH0603 | 0.3       | 0.75 ~ 1.05 | 0.3       |
| SCLH1005 | 0.4       | 1.2 ~ 1.4   | 0.5       |
| SCLH1608 | 0.7 ~ 0.8 | 1.8 ~ 2.0   | 0.8 ~ 0.8 |
| SCLH2012 | 1.0 ~ 1.2 | 2.6 ~ 4.0   | 1.0 ~ 1.2 |

### HOW TO MAKE A PART NUMBER

SCLH 0603 T - 1N2 - S

- (1) SCLH Series
- (2) Dimensions Code
- (3) Packaging Style
- (4) Inductance
- (5) Tolerance
- (6) Internal NO.

Add suffix CG in internal code for AEC-Q200 (automotive) compliant

### ■ ELECTRICAL CHARACTERISTICS

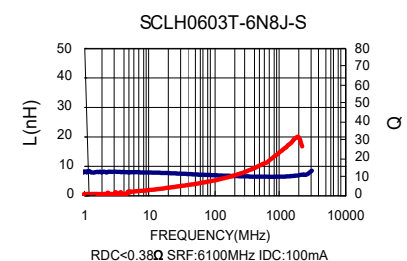
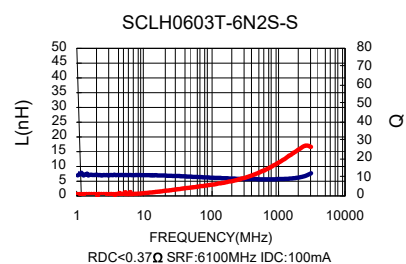
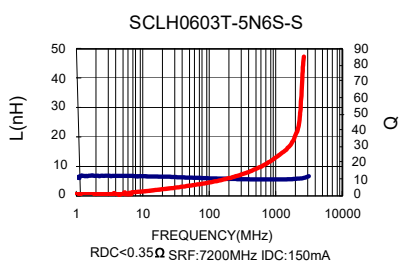
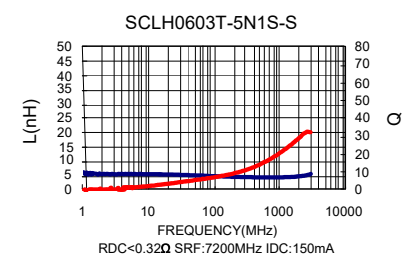
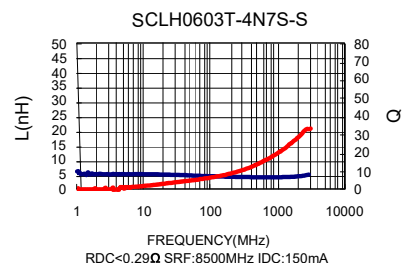
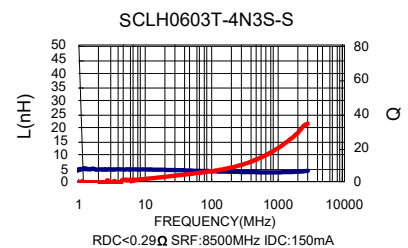
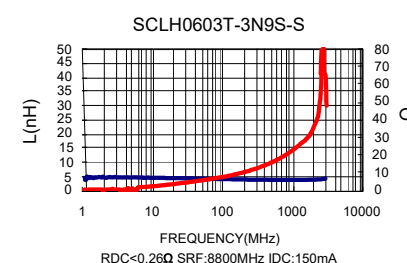
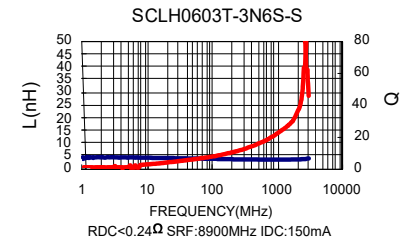
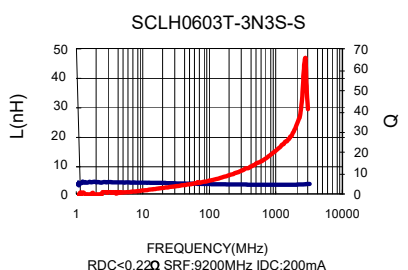
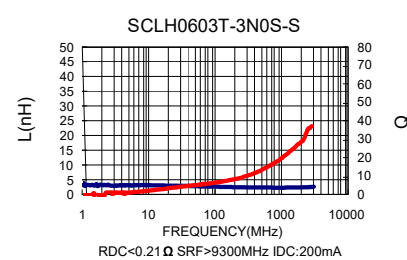
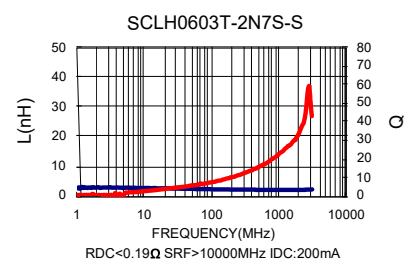
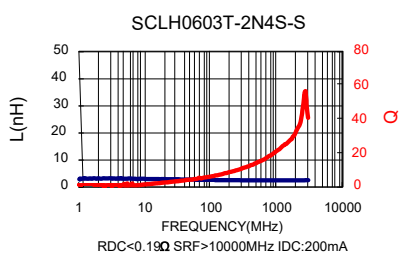
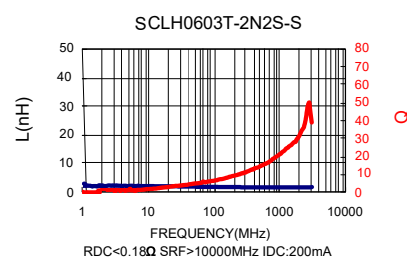
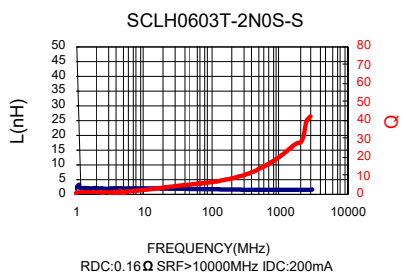
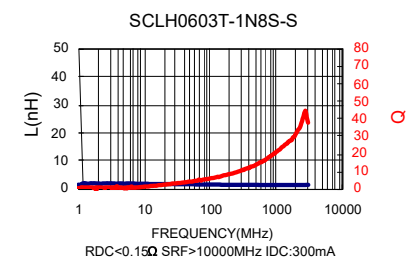
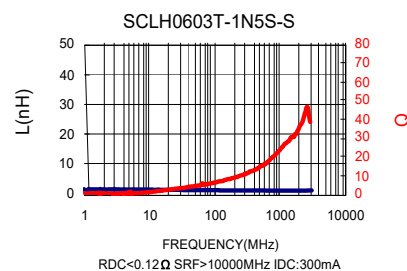
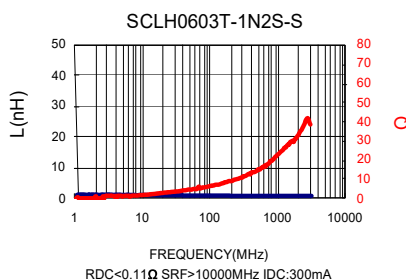
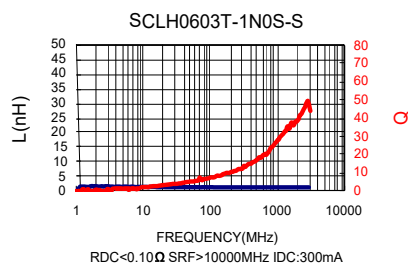
0603(0201) size

| Part Number      | Inductance<br>(nH)<br>at 100MHz | Tolerance | Q Min<br>at 100MHz | SRF<br>(MHz) Typ | DC Resistance<br>(Ω) Max | IDC<br>(mA) Max |
|------------------|---------------------------------|-----------|--------------------|------------------|--------------------------|-----------------|
| SCLH0603T-1N0□-S | 1.0                             | S         | 4                  | >10000           | 0.10                     | 300             |
| SCLH0603T-1N2□-S | 1.2                             | S         | 4                  | >10000           | 0.11                     | 300             |
| SCLH0603T-1N5□-S | 1.5                             | S         | 4                  | >10000           | 0.12                     | 300             |
| SCLH0603T-1N8□-S | 1.8                             | S         | 4                  | >10000           | 0.15                     | 300             |
| SCLH0603T-2N0□-S | 2.0                             | S         | 4                  | >10000           | 0.16                     | 200             |
| SCLH0603T-2N2□-S | 2.2                             | S         | 4                  | >10000           | 0.18                     | 200             |
| SCLH0603T-2N4□-S | 2.4                             | S         | 4                  | >10000           | 0.19                     | 200             |
| SCLH0603T-2N7□-S | 2.7                             | S         | 4                  | >10000           | 0.19                     | 200             |
| SCLH0603T-3N0□-S | 3.0                             | S         | 4                  | 9300             | 0.21                     | 200             |
| SCLH0603T-3N3□-S | 3.3                             | S         | 4                  | 9200             | 0.22                     | 200             |
| SCLH0603T-3N6□-S | 3.6                             | S         | 4                  | 8900             | 0.24                     | 150             |
| SCLH0603T-3N9□-S | 3.9                             | S         | 4                  | 8800             | 0.26                     | 150             |
| SCLH0603T-4N3□-S | 4.3                             | S         | 4                  | 8500             | 0.29                     | 150             |
| SCLH0603T-4N7□-S | 4.7                             | S         | 4                  | 8500             | 0.29                     | 150             |
| SCLH0603T-5N1□-S | 5.1                             | S         | 4                  | 7200             | 0.32                     | 150             |
| SCLH0603T-5N6□-S | 5.6                             | S         | 4                  | 7200             | 0.35                     | 150             |
| SCLH0603T-6N2□-S | 6.2                             | S         | 4                  | 6100             | 0.37                     | 100             |
| SCLH0603T-6N8□-S | 6.8                             | J         | 4                  | 6100             | 0.38                     | 100             |
| SCLH0603T-7N5□-S | 7.5                             | J         | 4                  | 5800             | 0.40                     | 100             |
| SCLH0603T-8N2□-S | 8.2                             | J         | 4                  | 5800             | 0.44                     | 100             |
| SCLH0603T-9N1□-S | 9.1                             | J         | 4                  | 4600             | 0.47                     | 100             |
| SCLH0603T-10N□-S | 10                              | J         | 4                  | 4600             | 0.50                     | 100             |
| SCLH0603T-12N□-S | 12                              | J         | 4                  | 3800             | 0.67                     | 100             |
| SCLH0603T-15N□-S | 15                              | J         | 3.5                | 3800             | 0.80                     | 90              |
| SCLH0603T-18N□-S | 18                              | J         | 3.5                | 3300             | 1.21                     | 80              |
| SCLH0603T-22N□-S | 22                              | J         | 3.5                | 3000             | 1.32                     | 70              |
| SCLH0603T-27N□-S | 27                              | J         | 3.5                | 2800             | 1.34                     | 50              |
| SCLH0603T-33N□-S | 33                              | J         | 3.5                | 2500             | 1.45                     | 50              |
| SCLH0603T-39N□-S | 39                              | J         | 3.5                | 1900             | 1.71                     | 50              |
| SCLH0603T-47N□-S | 47                              | J         | 3.5                | 1600             | 1.89                     | 50              |
| SCLH0603T-56N□-S | 56                              | J         | 3.5                | 1400             | 2.26                     | 50              |
| SCLH0603T-68N□-S | 68                              | J         | 3.5                | 1200             | 2.65                     | 50              |

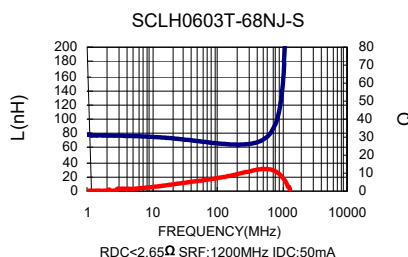
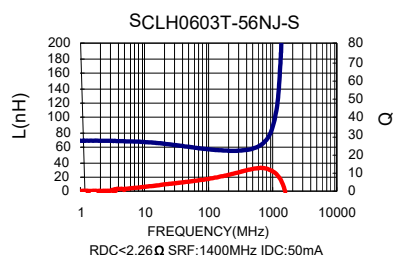
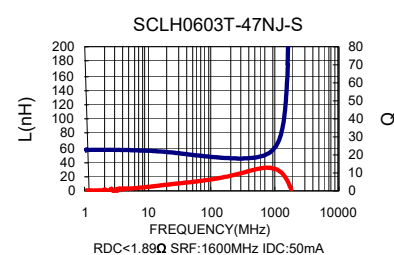
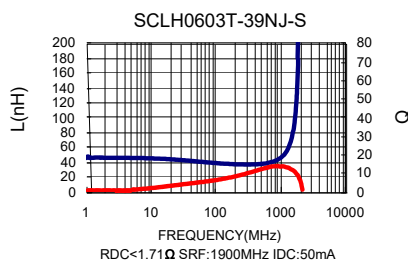
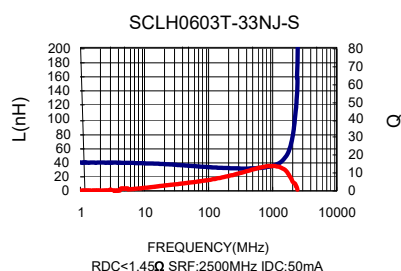
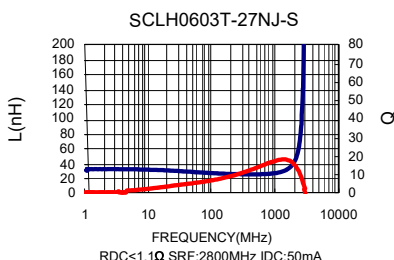
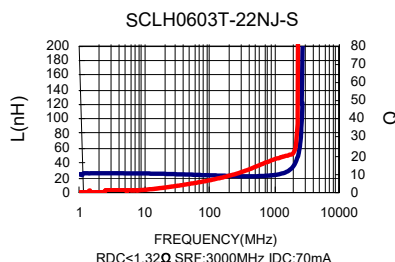
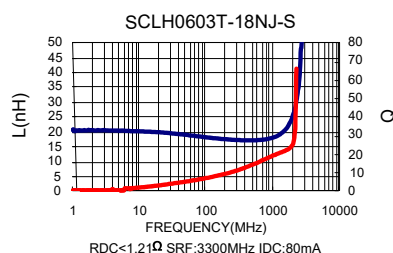
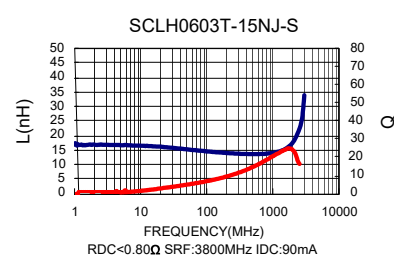
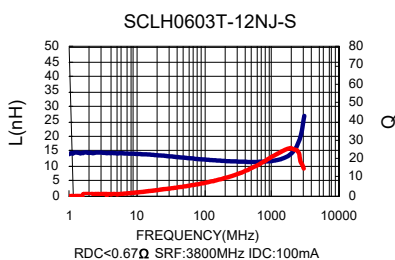
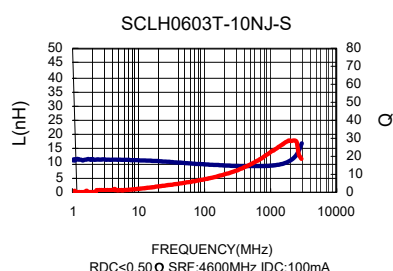
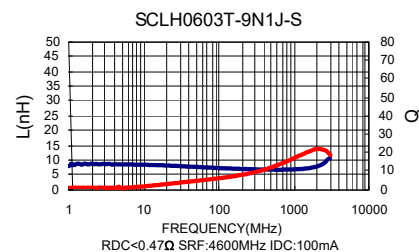
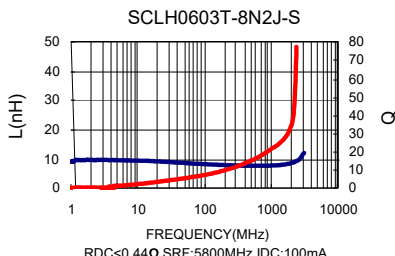
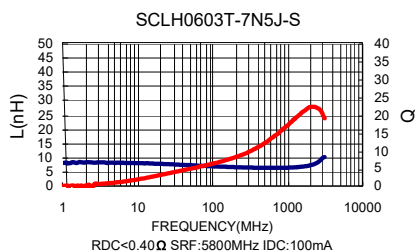
● Tolerance : S =  $\pm 0.3$  nH ; J =  $\pm 5\%$

● Test Instruments : L/Q : Agilent E4991A Fixture : Agilent 16197A  
 SRF : HPE4991A/ HP19196C  
 RDC : HP4338B/ CH502BC

Test Instruments : HP4291A Material/Impedance Analyzer



Test Instruments : HP4291A Material/Impedance Analyzer



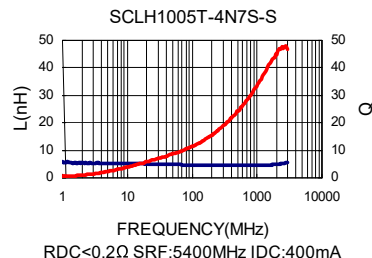
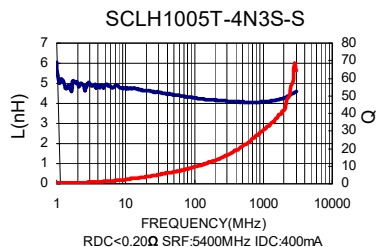
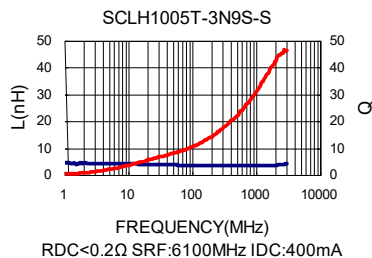
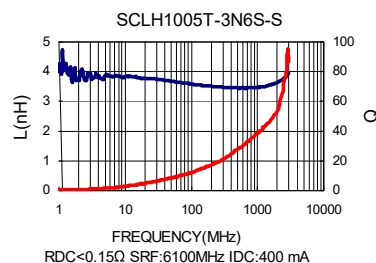
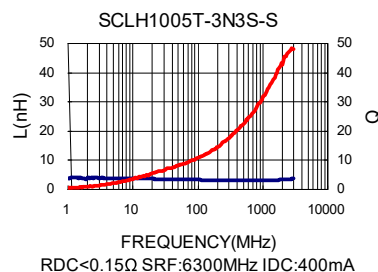
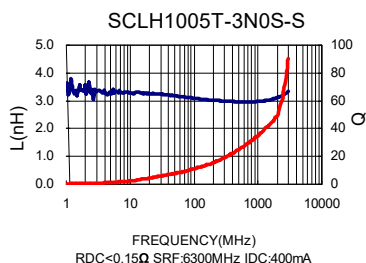
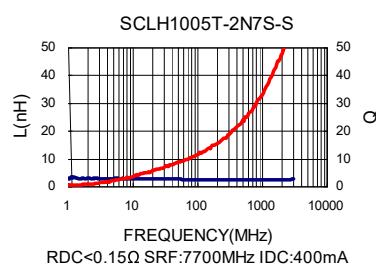
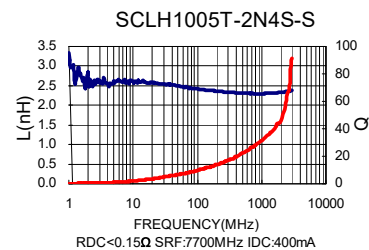
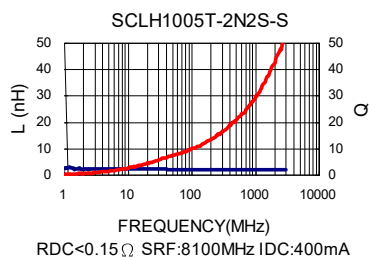
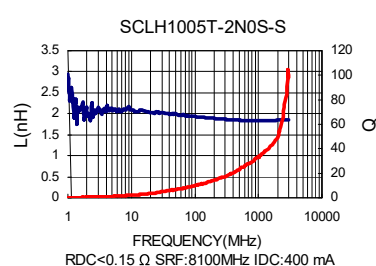
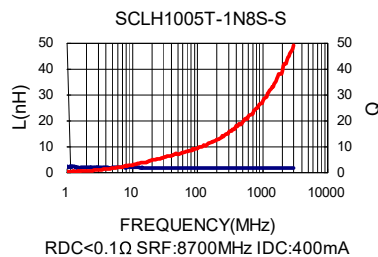
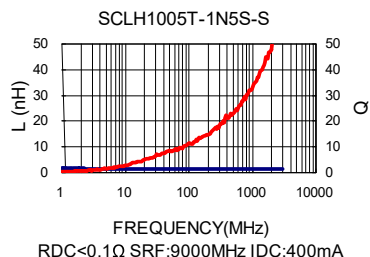
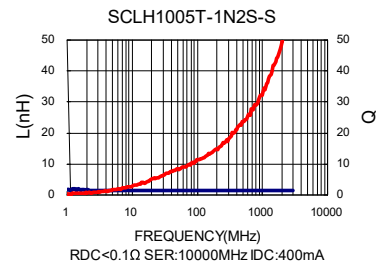
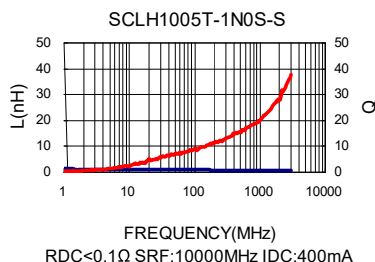
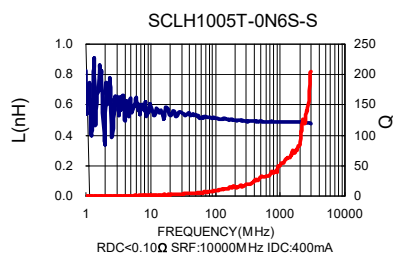
### ■ ELECTRICAL CHARACTERISTICS

1005(0402) Size

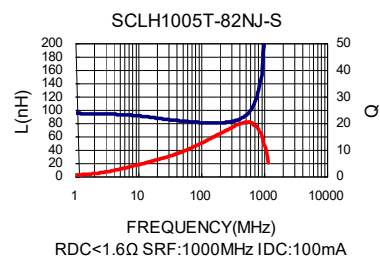
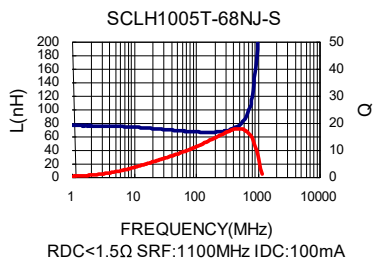
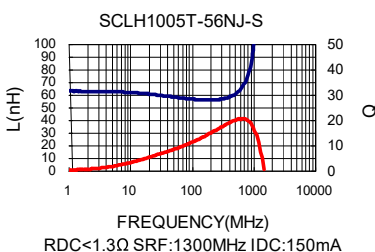
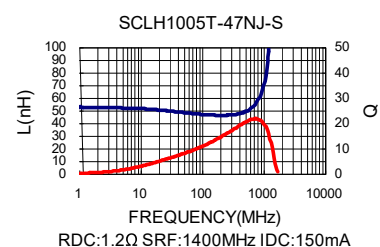
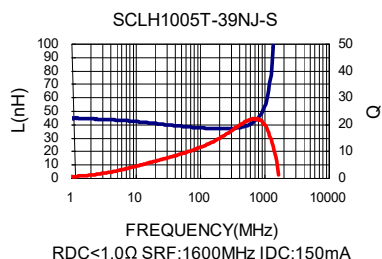
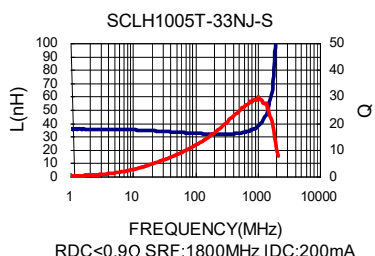
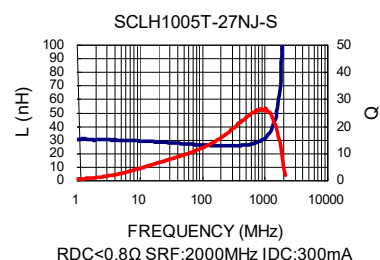
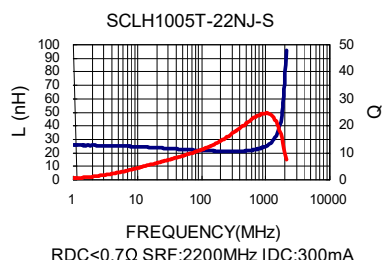
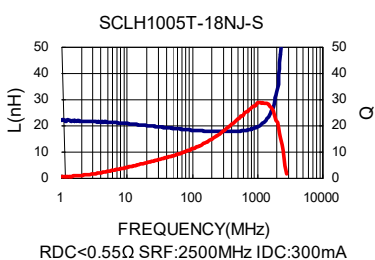
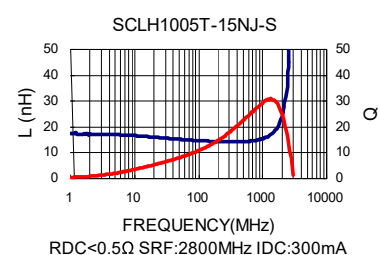
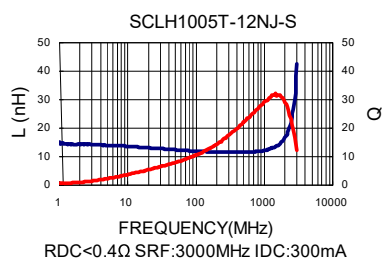
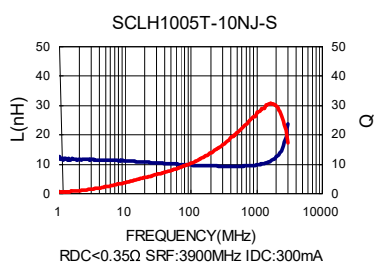
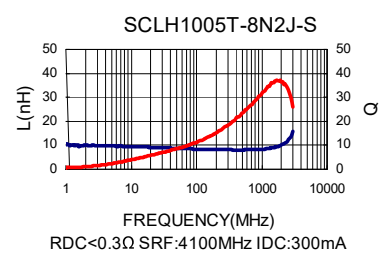
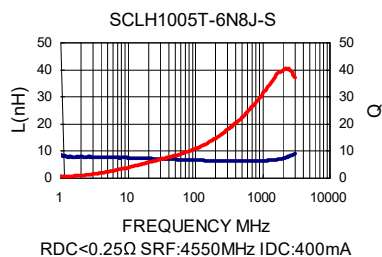
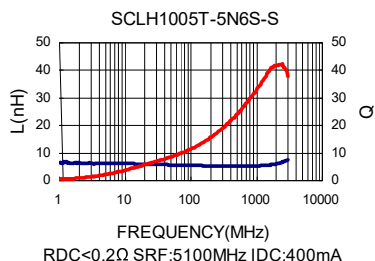
| Part Number      | Inductance<br>(nH)<br>at 100 MHz | Tolerance  | Q Min<br>at 100 MHz | SRF<br>(MHz)<br>Typ | DC<br>Resistance<br>(Ω) Max | IDC<br>(mA) Max |
|------------------|----------------------------------|------------|---------------------|---------------------|-----------------------------|-----------------|
| SCLH1005T-0N6□-S | 0.6                              | B, C, or S | 8                   | 10000               | 0.10                        | 1000            |
| SCLH1005T-1N0□-S | 1.0                              | B, C, or S | 8                   | 10000               | 0.10                        | 1000            |
| SCLH1005T-1N2□-S | 1.2                              | B, C, or S | 8                   | 10000               | 0.10                        | 1000            |
| SCLH1005T-1N5□-S | 1.5                              | B, C, or S | 8                   | 9000                | 0.10                        | 1000            |
| SCLH1005T-1N8□-S | 1.8                              | B, C, or S | 8                   | 8700                | 0.10                        | 900             |
| SCLH1005T-2N0□-S | 2.0                              | B, C, or S | 8                   | 8100                | 0.15                        | 900             |
| SCLH1005T-2N2□-S | 2.2                              | B, C, or S | 8                   | 8100                | 0.15                        | 900             |
| SCLH1005T-2N4□-S | 2.4                              | B, C, or S | 8                   | 7700                | 0.15                        | 800             |
| SCLH1005T-2N7□-S | 2.7                              | B, C, or S | 8                   | 7700                | 0.15                        | 800             |
| SCLH1005T-3N0□-S | 3.0                              | B, C, or S | 8                   | 6300                | 0.15                        | 800             |
| SCLH1005T-3N3□-S | 3.3                              | B, C, or S | 8                   | 6300                | 0.15                        | 800             |
| SCLH1005T-3N6□-S | 3.6                              | B, C, or S | 8                   | 6100                | 0.15                        | 700             |
| SCLH1005T-3N9□-S | 3.9                              | B, C, or S | 8                   | 6100                | 0.20                        | 700             |
| SCLH1005T-4N3□-S | 4.3                              | B, C, or S | 8                   | 5400                | 0.20                        | 700             |
| SCLH1005T-4N7□-S | 4.7                              | B, C, or S | 8                   | 5400                | 0.20                        | 700             |
| SCLH1005T-5N6□-S | 5.6                              | B, C, or S | 8                   | 5100                | 0.20                        | 600             |
| SCLH1005T-6N8□-S | 6.8                              | H, K, or J | 8                   | 4550                | 0.25                        | 600             |
| SCLH1005T-8N2□-S | 8.2                              | H, K, or J | 8                   | 4100                | 0.30                        | 500             |
| SCLH1005T-9N1□-S | 9.1                              | H, K, or J | 8                   | 4000                | 0.32                        | 500             |
| SCLH1005T-10N□-S | 10                               | H, K, or J | 8                   | 3900                | 0.35                        | 500             |
| SCLH1005T-12N□-S | 12                               | H, K, or J | 8                   | 3000                | 0.40                        | 400             |
| SCLH1005T-15N□-S | 15                               | H, K, or J | 8                   | 2800                | 0.50                        | 400             |
| SCLH1005T-18N□-S | 18                               | H, K, or J | 8                   | 2500                | 0.55                        | 350             |
| SCLH1005T-22N□-S | 22                               | H, K, or J | 8                   | 2200                | 0.70                        | 350             |
| SCLH1005T-27N□-S | 27                               | H, K, or J | 8                   | 2000                | 0.80                        | 300             |
| SCLH1005T-33N□-S | 33                               | H, K, or J | 8                   | 1800                | 0.90                        | 300             |
| SCLH1005T-39N□-S | 39                               | H, K, or J | 8                   | 1600                | 1.00                        | 250             |
| SCLH1005T-47N□-S | 47                               | H, K, or J | 8                   | 1400                | 1.20                        | 250             |
| SCLH1005T-56N□-S | 56                               | H, K, or J | 8                   | 1300                | 1.30                        | 200             |
| SCLH1005T-68N□-S | 68                               | H, K, or J | 8                   | 1100                | 1.50                        | 200             |
| SCLH1005T-82N□-S | 82                               | H, K, or J | 8                   | 1000                | 1.60                        | 200             |
| SCLH1005T-R10□-S | 100                              | H, K, or J | 8                   | 900                 | 2.00                        | 200             |
| SCLH1005T-R12□-S | 120                              | H, K, or J | 4                   | 800                 | 2.20                        | 150             |
| SCLH1005T-R15□-S | 150                              | H, K, or J | 4                   | 550                 | 3.20                        | 150             |
| SCLH1005T-R18□-S | 180                              | H, K, or J | 4                   | 500                 | 3.70                        | 150             |
| SCLH1005T-R22□-S | 220                              | H, K, or J | 4                   | 450                 | 4.00                        | 100             |
| SCLH1005T-R27□-S | 270                              | H, K, or J | 4                   | 400                 | 4.50                        | 100             |
| SCLH1005T-R30□-S | 300                              | H, K, or J | 8                   | 400                 | 5.00                        | 100             |
| SCLH1005T-R33□-S | 330                              | H, K, or J | 6                   | 350                 | 7.00                        | 50              |
| SCLH1005T-R36□-S | 360                              | H, K, or J | 6                   | 300                 | 7.50                        | 50              |

- Tolerance : B =  $\pm 0.1\text{nH}$ , C =  $\pm 0.2\text{nH}$ , S =  $\pm 0.3\text{nH}$ , H =  $\pm 3\%$ , J =  $\pm 5\%$ , K =  $\pm 10\%$
- Test Instruments : L/Q : Agilent E4991A Fixture : Agilent 16197A  
SRF : HP8753D RDC : HP4338B/ CH502BC

Test Instruments : HP4291A Material/Impedance Analyzer



Test Instruments : HP4291A Material/Impedance Analyzer



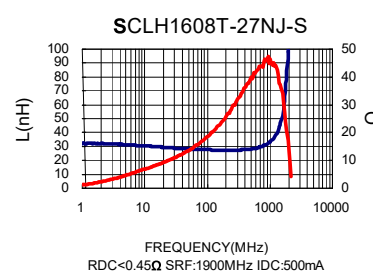
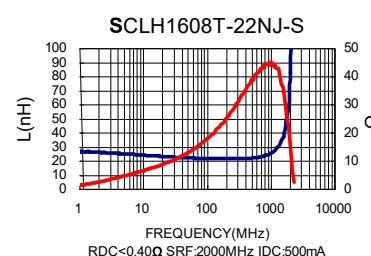
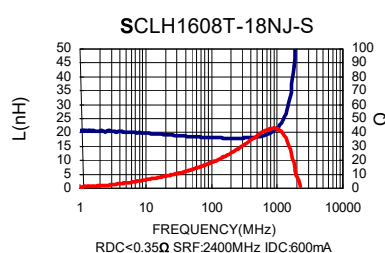
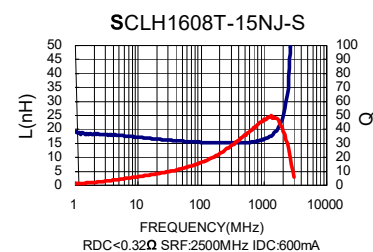
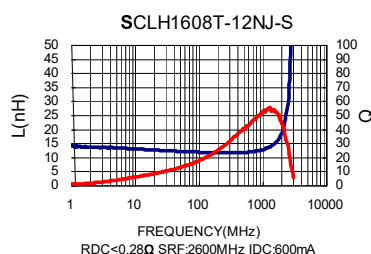
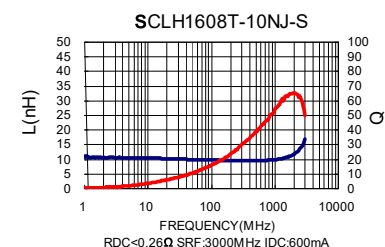
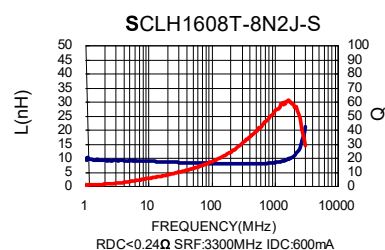
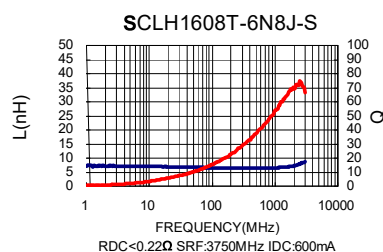
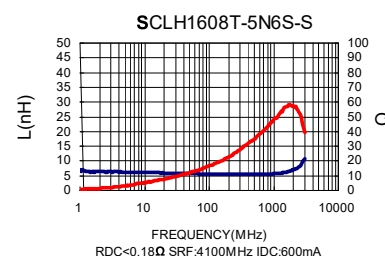
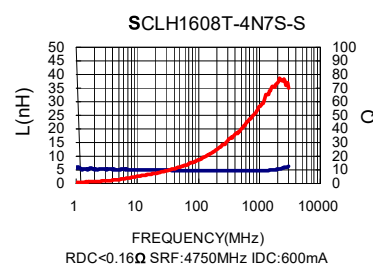
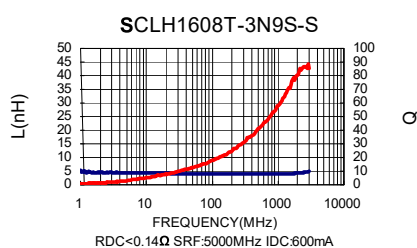
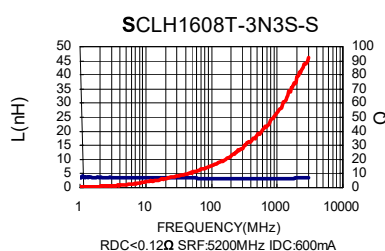
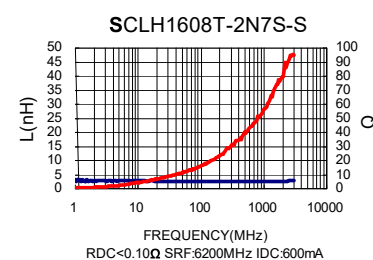
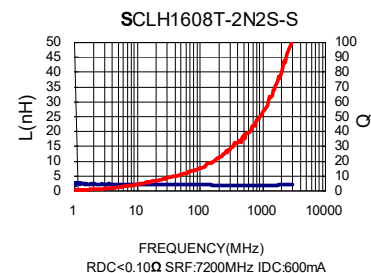
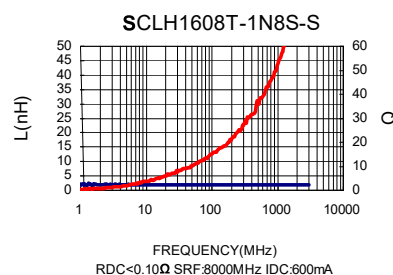
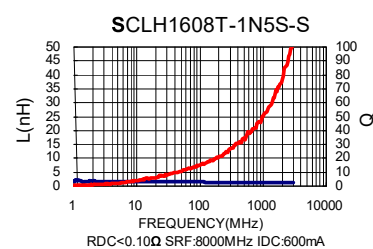
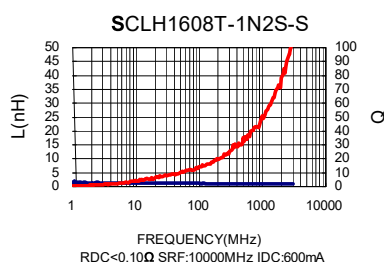
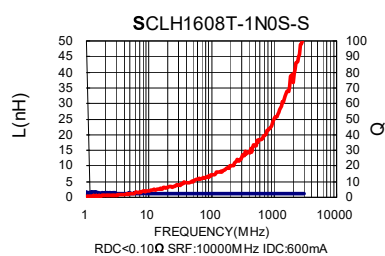
### ■ ELECTRICAL CHARACTERISTICS

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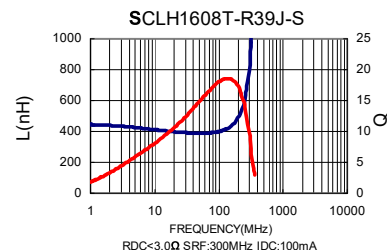
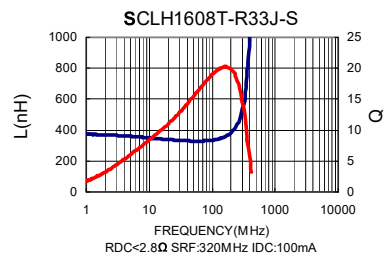
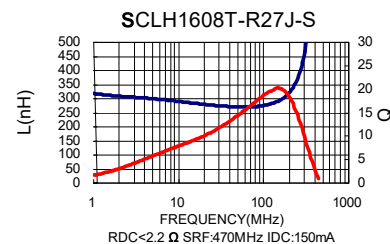
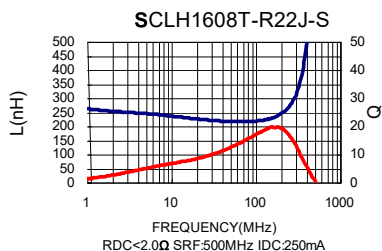
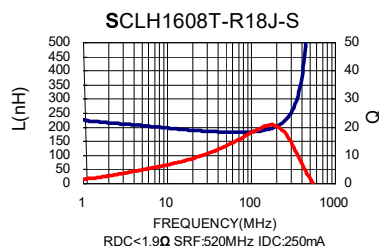
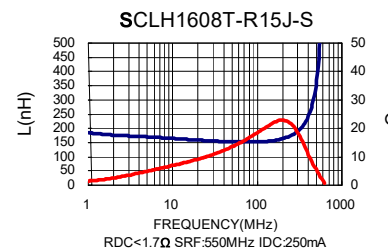
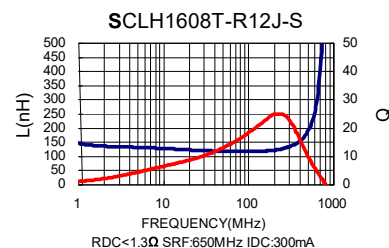
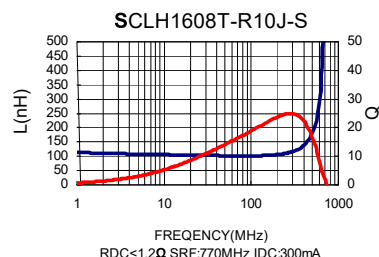
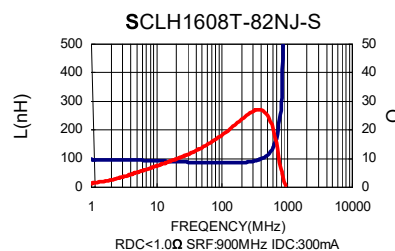
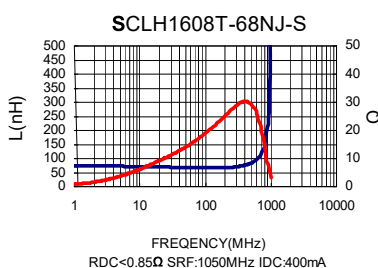
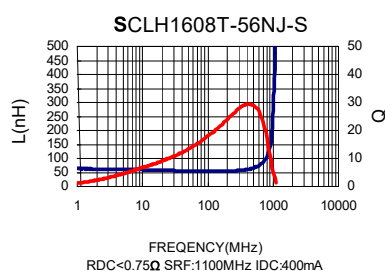
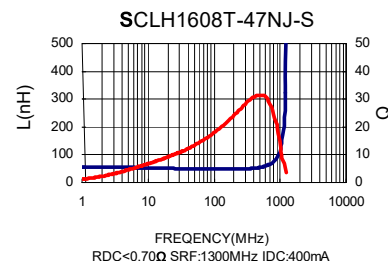
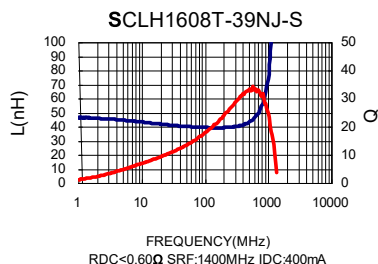
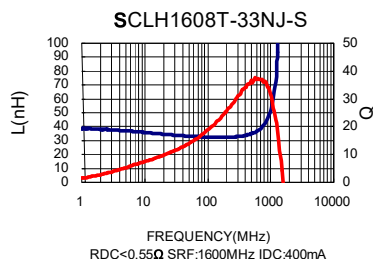
| Part Number      | Inductance<br>(nH)<br>at 100MHz | Tolerance | Q Min    |           | SRF<br>(MHz) Typ | DC Resistance<br>( $\Omega$ ) Max | IDC<br>(mA) Max |
|------------------|---------------------------------|-----------|----------|-----------|------------------|-----------------------------------|-----------------|
|                  |                                 |           | at 50MHz | at 100MHz |                  |                                   |                 |
| SCLH1608T-1N0S-S | 1.0                             | S         |          | 8         | 10000            | 0.10                              | 600             |
| SCLH1608T-1N2S-S | 1.2                             | S         |          | 8         | 10000            | 0.10                              | 600             |
| SCLH1608T-1N5S-S | 1.5                             | S         |          | 8         | 8000             | 0.10                              | 600             |
| SCLH1608T-1N8S-S | 1.8                             | S         |          | 8         | 8000             | 0.10                              | 600             |
| SCLH1608T-2N2S-S | 2.2                             | S         |          | 8         | 7200             | 0.10                              | 600             |
| SCLH1608T-2N7S-S | 2.7                             | S         |          | 10        | 6200             | 0.10                              | 600             |
| SCLH1608T-3N3□-S | 3.3                             | S/ K      |          | 10        | 5200             | 0.12                              | 600             |
| SCLH1608T-3N9□-S | 3.9                             | S/ K      |          | 10        | 5000             | 0.14                              | 600             |
| SCLH1608T-4N7□-S | 4.7                             | S/ K      |          | 10        | 4750             | 0.16                              | 600             |
| SCLH1608T-5N6□-S | 5.6                             | S/ K      |          | 10        | 4100             | 0.18                              | 600             |
| SCLH1608T-6N8□-S | 6.8                             | J/ K      |          | 10        | 3750             | 0.22                              | 600             |
| SCLH1608T-8N2□-S | 8.2                             | J/ K      |          | 10        | 3300             | 0.24                              | 600             |
| SCLH1608T-10N□-S | 10                              | J/ K      |          | 12        | 3000             | 0.24                              | 600             |
| SCLH1608T-12N□-S | 12                              | J/ K      |          | 12        | 2600             | 0.28                              | 600             |
| SCLH1608T-15N□-S | 15                              | J/ K      |          | 12        | 2500             | 0.32                              | 600             |
| SCLH1608T-18N□-S | 18                              | J/ K      |          | 12        | 2400             | 0.35                              | 600             |
| SCLH1608T-22N□-S | 22                              | J/ K      |          | 12        | 2000             | 0.40                              | 500             |
| SCLH1608T-27N□-S | 27                              | J/ K      |          | 12        | 1900             | 0.45                              | 500             |
| SCLH1608T-33N□-S | 33                              | J/ K      |          | 12        | 1600             | 0.55                              | 400             |
| SCLH1608T-39N□-S | 39                              | J/ K      |          | 12        | 1400             | 0.60                              | 400             |
| SCLH1608T-47N□-S | 47                              | J/ K      |          | 12        | 1300             | 0.70                              | 400             |
| SCLH1608T-56N□-S | 56                              | J/ K      |          | 12        | 1100             | 0.75                              | 400             |
| SCLH1608T-62N□-S | 62                              | J/ K      |          | 12        | 1050             | 0.85                              | 400             |
| SCLH1608T-68N□-S | 68                              | J/ K      |          | 12        | 1050             | 0.85                              | 400             |
| SCLH1608T-82N□-S | 82                              | J/ K      |          | 12        | 900              | 1.00                              | 300             |
| SCLH1608T-R10□-S | 100                             | J/ K      |          | 12        | 770              | 1.20                              | 300             |
| SCLH1608T-R12□-S | *120                            | J/ K      | 8        |           | 650              | 1.30                              | 300             |
| SCLH1608T-R15□-S | *150                            | J/ K      | 8        |           | 550              | 1.70                              | 250             |
| SCLH1608T-R18□-S | *180                            | J/ K      | 8        |           | 520              | 1.90                              | 250             |
| SCLH1608T-R22□-S | *220                            | J/ K      | 8        |           | 500              | 2.00                              | 250             |
| SCLH1608T-R27□-S | *270                            | J/ K      | 8        |           | 470              | 2.20                              | 150             |
| SCLH1608T-R33□-S | *330                            | J/ K      | 8        |           | 320              | 2.80                              | 100             |
| SCLH1608T-R39□-S | *390                            | J/ K      | 8        |           | 300              | 3.00                              | 100             |

- \* at 50MHz
- Tolerance : S =  $\pm 0.3$  nH ; J =  $\pm 5\%$  ; K =  $\pm 10\%$
- Test Instruments : L/Q : L/Q : Agilent E4991A Fixture : Agilent 16197A  
SRF : HP8753D RDC : HP4338B/ CH502BC

Test Instruments : HP4291A Material/Impedance Analyzer



Test Instruments : HP4291A Material/Impedance Analyzer



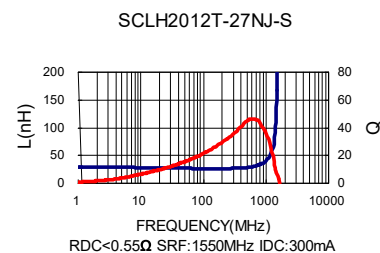
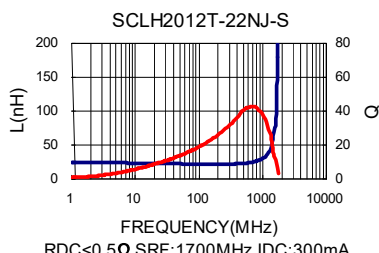
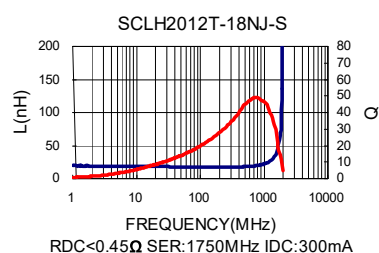
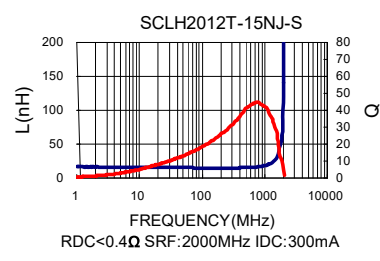
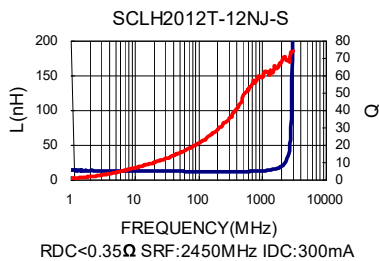
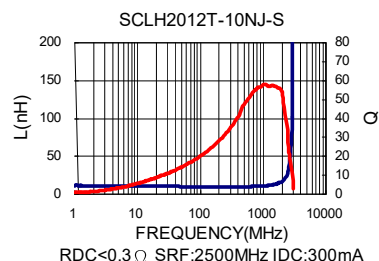
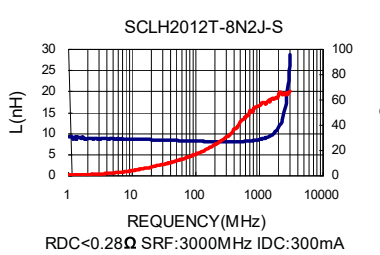
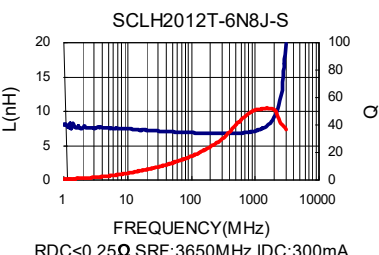
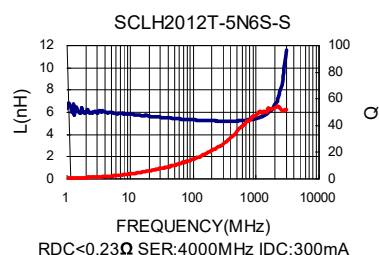
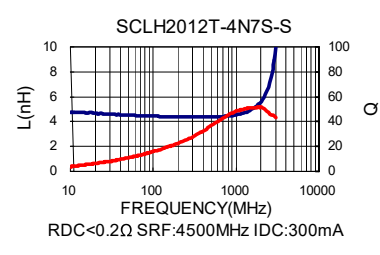
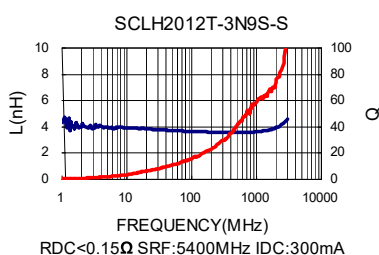
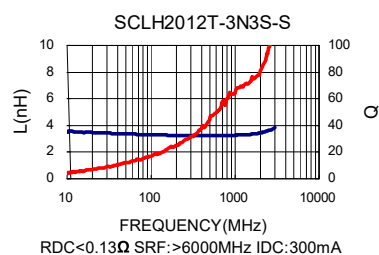
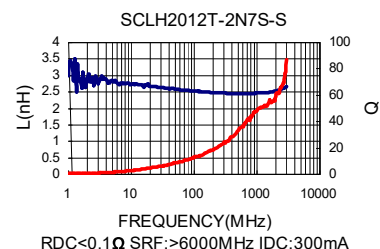
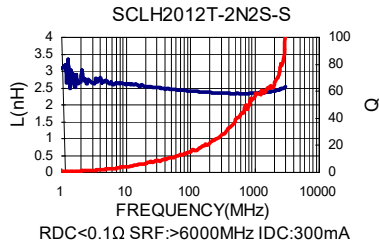
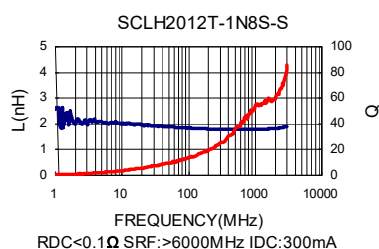
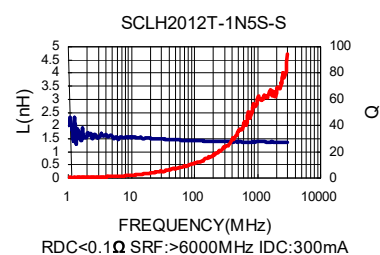
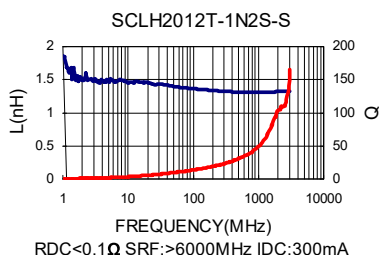
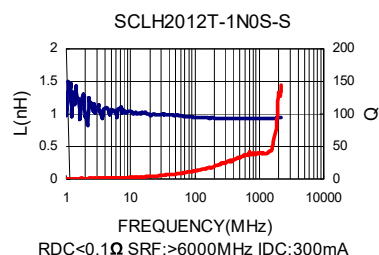
### ■ ELECTRICAL CHARACTERISTICS

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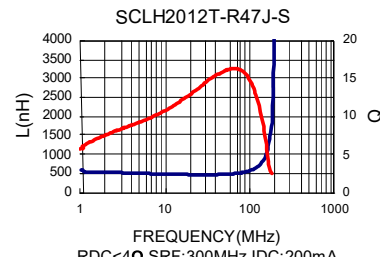
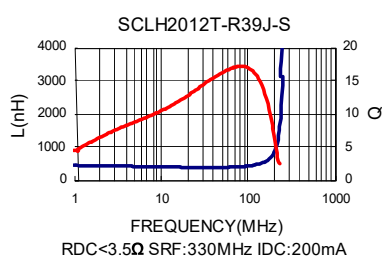
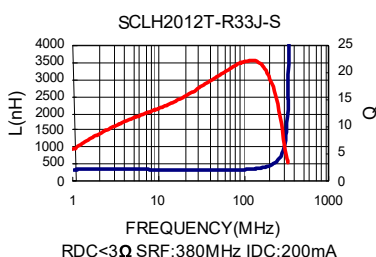
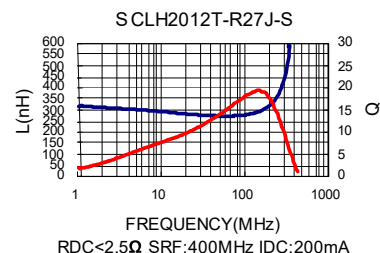
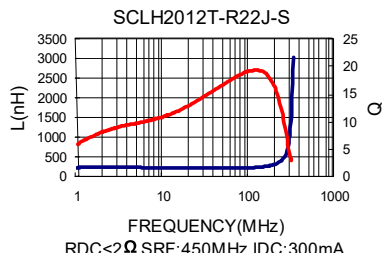
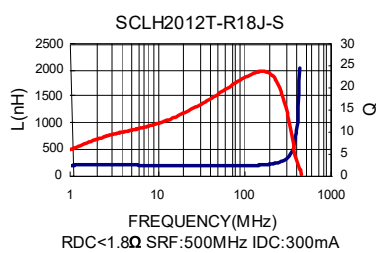
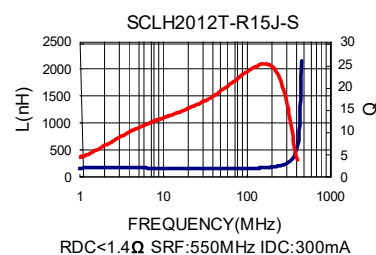
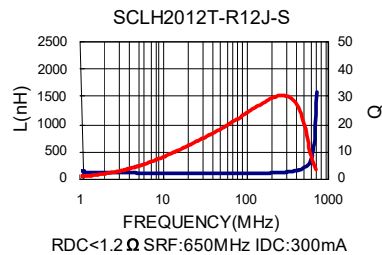
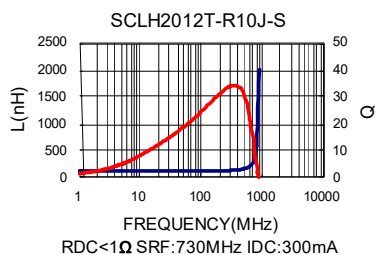
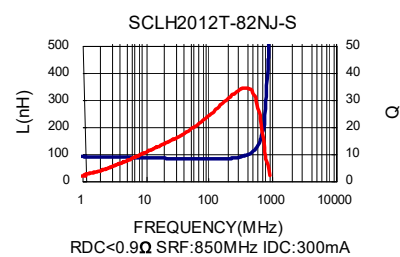
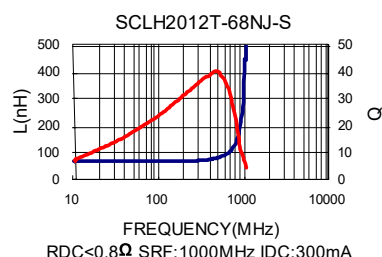
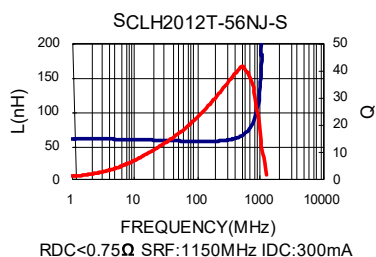
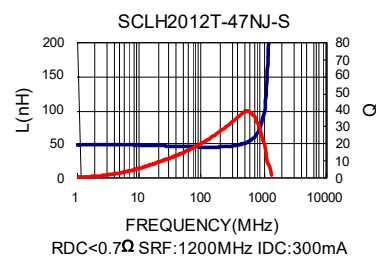
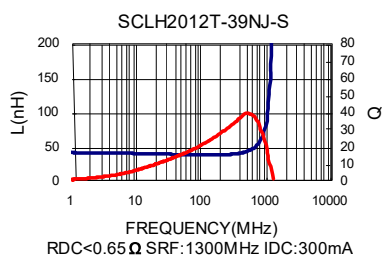
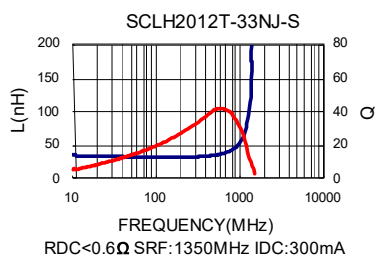
| Part Number      | Inductance<br>(nH)<br>at 100MHz | Tolerance | Q Min<br>at<br>50MHz | Q Min<br>at<br>100MHz | SRF<br>(MHz) Typ | DC Resistance<br>(Ω) Max | IDC<br>(mA) Max |
|------------------|---------------------------------|-----------|----------------------|-----------------------|------------------|--------------------------|-----------------|
| SCLH2012T-1N0□-S | 1.0                             | S         |                      | 10                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-1N2□-S | 1.2                             | S         |                      | 10                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-1N5□-S | 1.5                             | S         |                      | 10                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-1N8□-S | 1.8                             | S         |                      | 10                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-2N2□-S | 2.2                             | S         |                      | 10                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-2N7□-S | 2.7                             | S         |                      | 12                    | > 6000           | 0.10                     | 300             |
| SCLH2012T-3N3□-S | 3.3                             | S / K     |                      | 12                    | > 6000           | 0.13                     | 300             |
| SCLH2012T-3N9□-S | 3.9                             | S / K     |                      | 12                    | 5400             | 0.15                     | 300             |
| SCLH2012T-4N7□-S | 4.7                             | S / K     |                      | 12                    | 4500             | 0.20                     | 300             |
| SCLH2012T-5N6□-S | 5.6                             | S / K     |                      | 12                    | 4000             | 0.23                     | 300             |
| SCLH2012T-6N8□-S | 6.8                             | J / K     |                      | 15                    | 3650             | 0.25                     | 300             |
| SCLH2012T-8N2□-S | 8.2                             | J / K     |                      | 15                    | 3000             | 0.28                     | 300             |
| SCLH2012T-10N□-S | 10                              | J / K     |                      | 15                    | 2500             | 0.30                     | 300             |
| SCLH2012T-12N□-S | 12                              | J / K     |                      | 15                    | 2450             | 0.35                     | 300             |
| SCLH2012T-15N□-S | 15                              | J / K     |                      | 15                    | 2000             | 0.40                     | 300             |
| SCLH2012T-18N□-S | 18                              | J / K     |                      | 15                    | 1750             | 0.45                     | 300             |
| SCLH2012T-22N□-S | 22                              | J / K     |                      | 15                    | 1700             | 0.50                     | 300             |
| SCLH2012T-27N□-S | 27                              | J / K     |                      | 15                    | 1550             | 0.55                     | 300             |
| SCLH2012T-33N□-S | 33                              | J / K     |                      | 15                    | 1350             | 0.60                     | 300             |
| SCLH2012T-39N□-S | 39                              | J / K     |                      | 18                    | 1300             | 0.65                     | 300             |
| SCLH2012T-47N□-S | 47                              | J / K     |                      | 18                    | 1200             | 0.70                     | 300             |
| SCLH2012T-56N□-S | 56                              | J / K     |                      | 18                    | 1150             | 0.75                     | 300             |
| SCLH2012T-68N□-S | 68                              | J / K     |                      | 18                    | 1000             | 0.80                     | 300             |
| SCLH2012T-82N□-S | 82                              | J / K     |                      | 18                    | 850              | 0.90                     | 300             |
| SCLH2012T-R10□-S | 100                             | J / K     |                      | 18                    | 730              | 1.00                     | 300             |
| SCLH2012T-R12□-S | * 120                           | J / K     | 13                   |                       | 650              | 1.20                     | 300             |
| SCLH2012T-R15□-S | * 150                           | J / K     | 13                   |                       | 550              | 1.40                     | 300             |
| SCLH2012T-R18□-S | * 180                           | J / K     | 13                   |                       | 500              | 1.80                     | 300             |
| SCLH2012T-R22□-S | * 220                           | J / K     | 12                   |                       | 450              | 2.00                     | 300             |
| SCLH2012T-R27□-S | * 270                           | J / K     | 12                   |                       | 400              | 2.50                     | 200             |
| SCLH2012T-R33□-S | * 330                           | J / K     | 12                   |                       | 380              | 3.00                     | 200             |
| SCLH2012T-R39□-S | * 390                           | J / K     | 10                   |                       | 330              | 3.50                     | 200             |
| SCLH2012T-R47□-S | * 470                           | J / K     | 10                   |                       | 300              | 4.00                     | 200             |

- \* at 50MHz
- Tolerance : S =  $\pm 0.3nH$  , J =  $\pm 5\%$  , K =  $\pm 10\%$
- Test Instruments : Agilent E4991A : Agilent 16197A  
SRF : HP8753D  
RDC : HP4338B/ CH502BC

Test Instruments : HP4291A Material/Impedance Analyzer



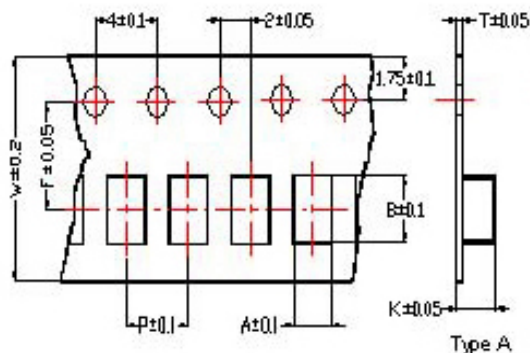
Test Instruments : HP4291A Material/Impedance Analyzer



## ■ PACKAGING SPECIFICATIONS

Tape Dimensions

Figure A



Tape Material

Carrier Tape: Polystyrene (Tape A)  
Carrier Tape: Paper (Tape B)  
Cover Type: Polystyrene

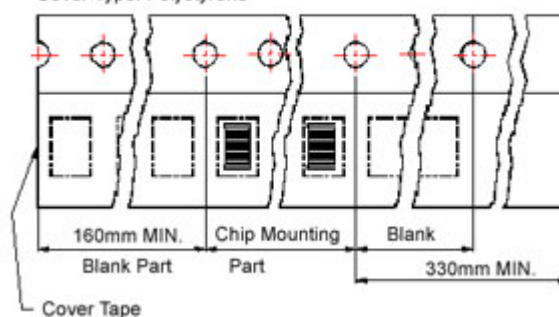
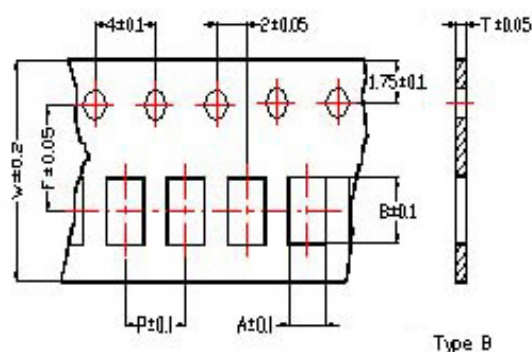
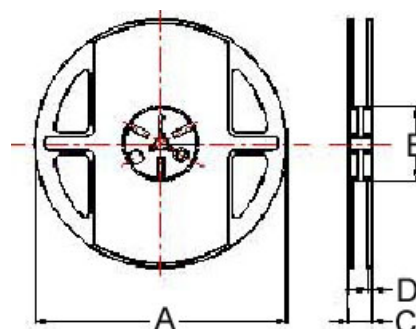


Figure B



Reel Dimensions



Dimensions in mm

| TYPE     | Tape Dimensions |      |      |   |   |     |      |      | Reel Dimensions |    |    |     | Recommended Pattern |           |     | Quantity<br>PCS / Reel |
|----------|-----------------|------|------|---|---|-----|------|------|-----------------|----|----|-----|---------------------|-----------|-----|------------------------|
|          | A               | B    | T    | W | P | F   | K    | Tape | A               | B  | C  | D   | A                   | B         | C   |                        |
| SCLH0603 | 0.37            | 0.67 | 0.50 | 8 | 2 | 3.5 |      | B    | 180             | 60 | 13 | 1.5 | 0.3                 | 0.75~1.05 | 0.3 | 15000                  |
| SCLH1005 | 0.65            | 1.15 | 0.60 | 8 | 2 | 3.5 |      | B    | 178             | 60 | 12 | 1.5 | 0.4                 | 1.2 ~ 1.4 | 0.4 | 10000                  |
| SCLH1608 | 1.00            | 1.80 | 0.95 | 8 | 4 | 3.5 |      | B    | 178             | 60 | 12 | 1.5 | 0.8                 | 2.4 ~ 3.4 | 0.6 | 4000                   |
| SCLH2012 | 1.42            | 2.25 | 0.22 | 8 | 4 | 3.5 | 1.04 | A,B  | 178             | 60 | 12 | 1.5 | 1.2                 | 3.0 ~ 4.0 | 1.0 | 4000                   |