

Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Min | RDC (Ω) Max | Rated Current (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|---------------|-------------|------------------------|
| BSCH000603031N0□00 | 1.0 | ±0.3nH | 100 | 4 | >10000 | 0.11 | 470 |
| BSCH000603031N2□00 | 1.2 | ±0.3nH | 100 | 4 | >10000 | 0.12 | 450 |
| BSCH000603031N5□00 | 1.5 | ±0.3nH | 100 | 4 | >10000 | 0.13 | 430 |
| BSCH000603031N8□00 | 1.8 | ±0.3nH | 100 | 4 | >10000 | 0.16 | 390 |
| BSCH000603032N0□00 | 2.0 | ±0.3nH | 100 | 4 | >10000 | 0.17 | 380 |
| BSCH000603032N2□00 | 2.2 | ±0.3nH | 100 | 4 | 8800 | 0.19 | 360 |
| BSCH000603032N4□00 | 2.4 | ±0.3nH | 100 | 4 | 8300 | 0.20 | 350 |
| BSCH000603032N7□00 | 2.7 | ±0.3nH | 100 | 4 | 7700 | 0.21 | 340 |
| BSCH000603033N0□00 | 3.0 | ±0.3nH | 100 | 4 | 7200 | 0.22 | 330 |
| BSCH000603033N3□00 | 3.3 | ±0.3nH | 100 | 4 | 6700 | 0.23 | 320 |
| BSCH000603033N6□00 | 3.6 | ±0.3nH | 100 | 4 | 6400 | 0.25 | 310 |
| BSCH000603033N9□00 | 3.9 | ±0.3nH | 100 | 4 | 6000 | 0.27 | 300 |
| BSCH000603034N3□00 | 4.3 | ±0.3nH | 100 | 4 | 5700 | 0.30 | 280 |
| BSCH000603034N7□00 | 4.7 | ±0.3nH | 100 | 4 | 5300 | 0.30 | 280 |
| BSCH000603035N1□00 | 5.1 | ±0.3nH | 100 | 4 | 5000 | 0.33 | 270 |
| BSCH000603035N6□00 | 5.6 | ±0.3nH | 100 | 4 | 4600 | 0.36 | 260 |
| BSCH000603036N2□00 | 6.2 | ±0.3nH | 100 | 4 | 4200 | 0.38 | 250 |
| BSCH000603036N8□00 | 6.8 | 5 | 100 | 4 | 3900 | 0.39 | 250 |
| BSCH000603037N5□00 | 7.5 | 5 | 100 | 4 | 3600 | 0.41 | 240 |
| BSCH000603038N2□00 | 8.2 | 5 | 100 | 4 | 3400 | 0.45 | 230 |
| BSCH000603039N1□00 | 9.1 | 5 | 100 | 4 | 3200 | 0.48 | 220 |
| BSCH0006030310N□00 | 10 | 5 | 100 | 4 | 2900 | 0.51 | 220 |
| BSCH0006030312N□00 | 12 | 5 | 100 | 4 | 2700 | 0.68 | 190 |
| BSCH0006030315N□00 | 15 | 5 | 100 | 4 | 2300 | 0.71 | 180 |
| BSCH0006030318N□00 | 18 | 5 | 100 | 4 | 2100 | 0.81 | 170 |
| BSCH0006030322N□00 | 22 | 5 | 100 | 4 | 1800 | 1.00 | 150 |
| BSCH0006030327N□00 | 27 | 5 | 100 | 4 | 1800 | 1.35 | 120 |
| BSCH0006030333N□00 | 33 | 5 | 100 | 4 | 1700 | 1.47 | 110 |
| BSCH0006030339N□00 | 39 | 5 | 100 | 4 | 1500 | 1.72 | 100 |
| BSCH0006030347N□00 | 47 | 5 | 100 | 4 | 1300 | 1.90 | 100 |
| BSCH0006030356N□00 | 56 | 5 | 100 | 4 | 1100 | 2.27 | 80 |
| BSCH0006030368N□00 | 68 | 5 | 100 | 4 | 1100 | 2.66 | 80 |

SMD Ceramic Multilayer Chip Inductors

BSCH Series

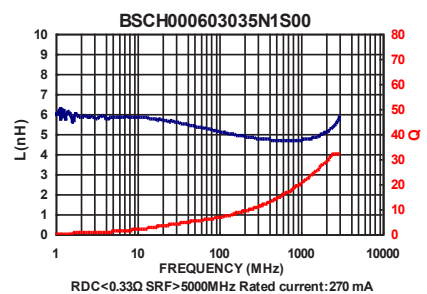
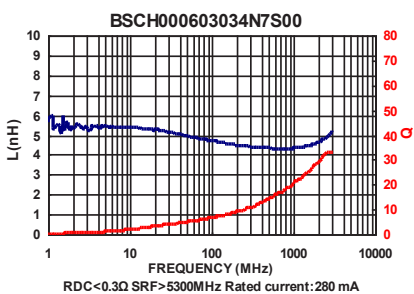
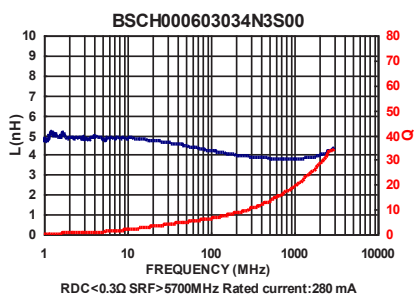
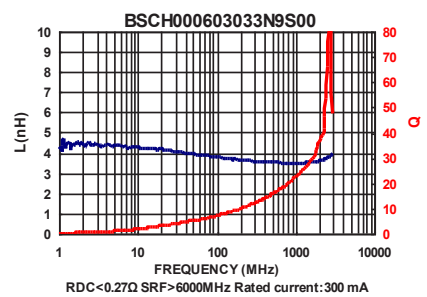
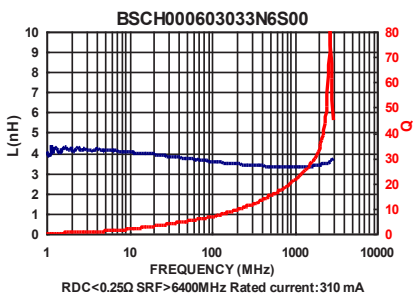
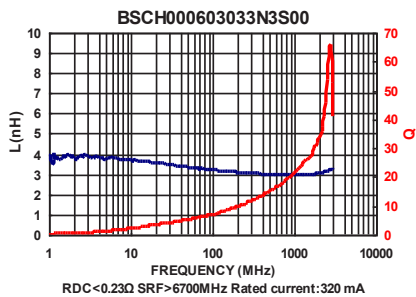
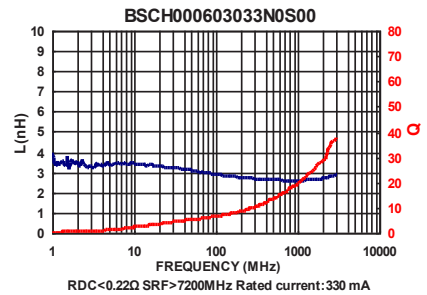
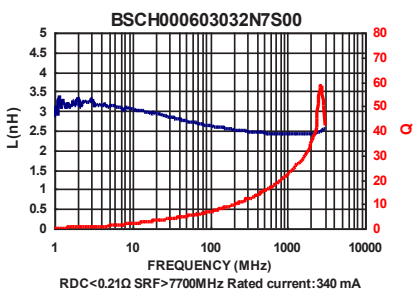
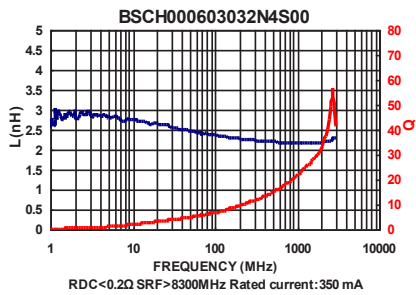
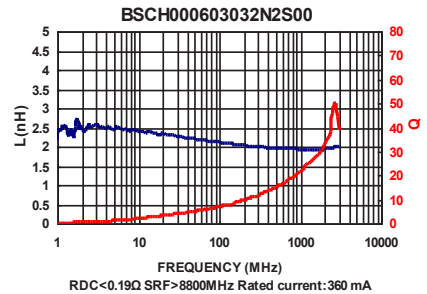
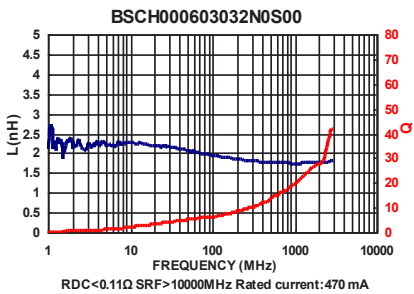
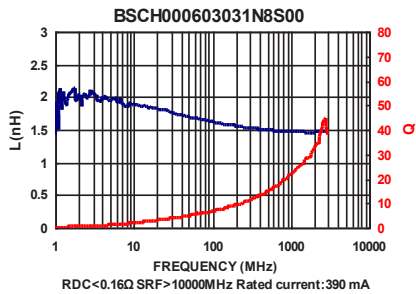
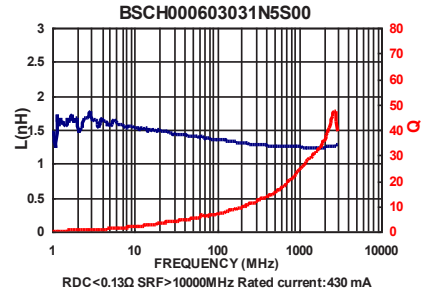
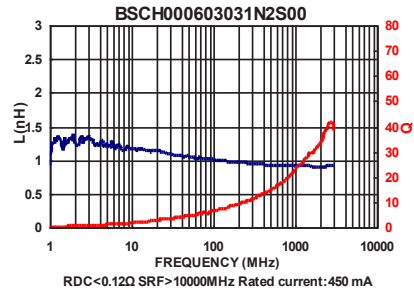
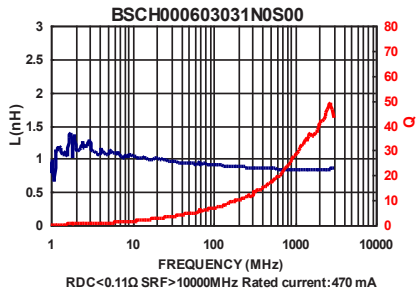


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|--------------------|-----|---|-----|---|------|------|----|
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| BSCH00060303R10□00 | 100 | 5 | 100 | 4 | 900 | 3.74 | 60 |

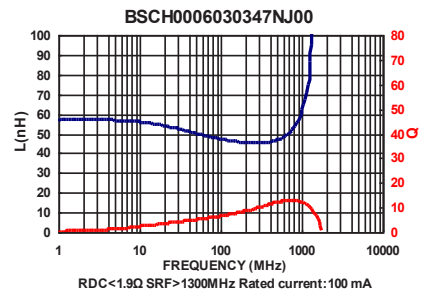
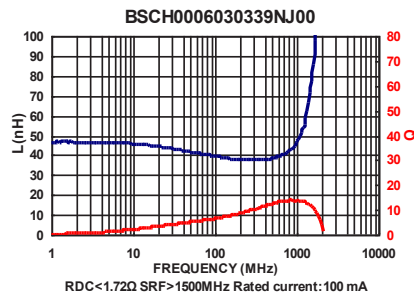
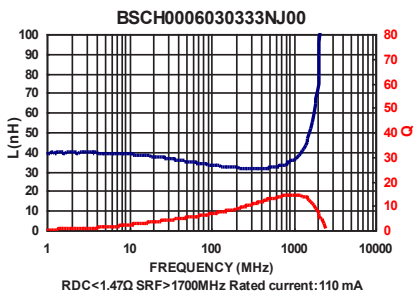
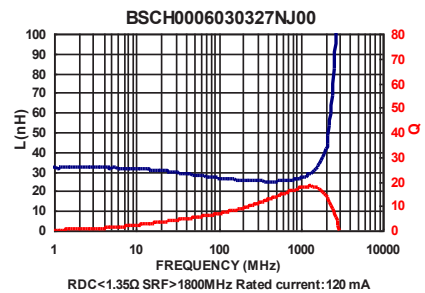
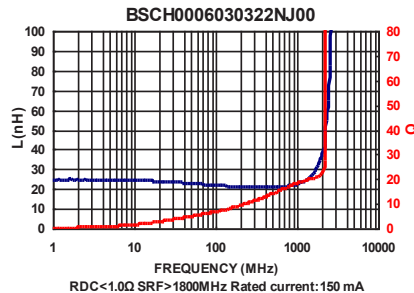
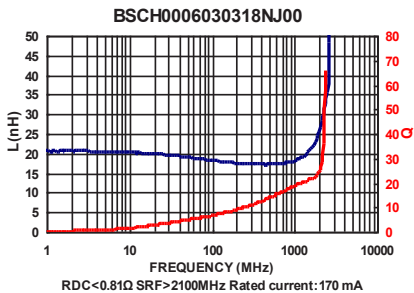
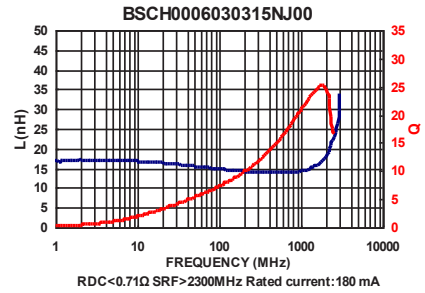
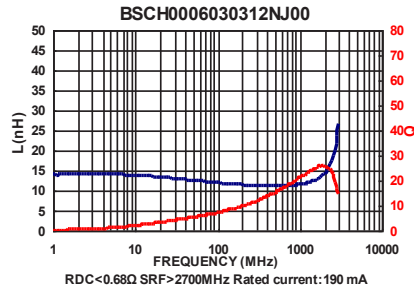
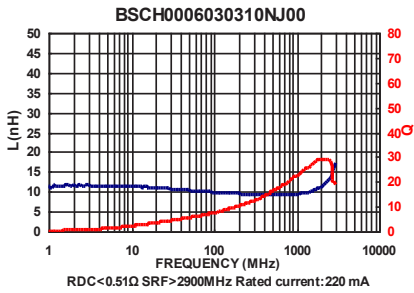
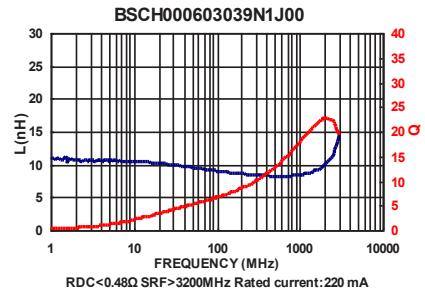
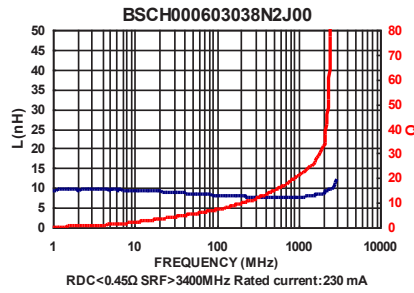
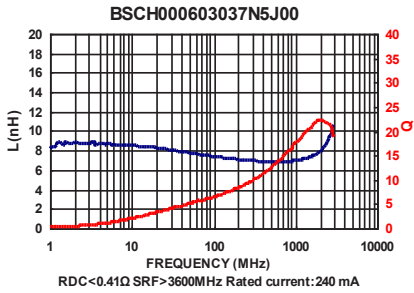
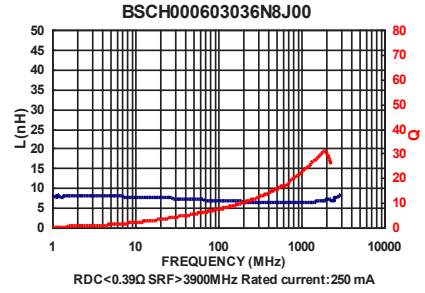
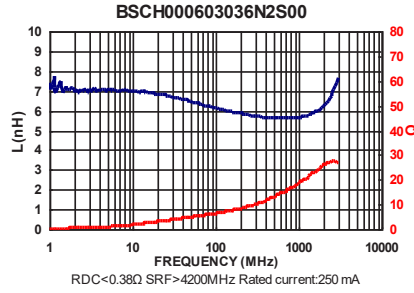
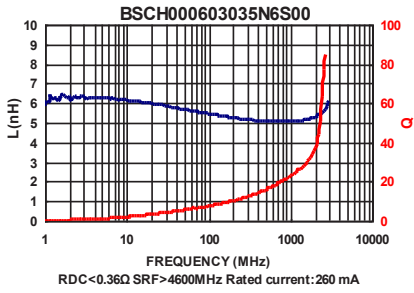
Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5%

- Operating temperature range—55°C ~ 125°C (Including self - temperature rise)
- Rate Current :Applied the current to coils, the temperature rise shall not be more than 30°C
- Residual impedance of short chip : 0.19nH
- Measure Equipment :
L & Q : Agilent E4991A+Agilent 16197A
SRF : Agilent E4991A or HP19196C
RDC : HP4338B or CHEN HWA 502

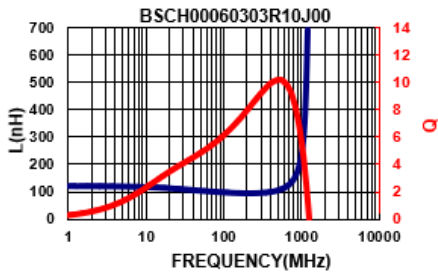
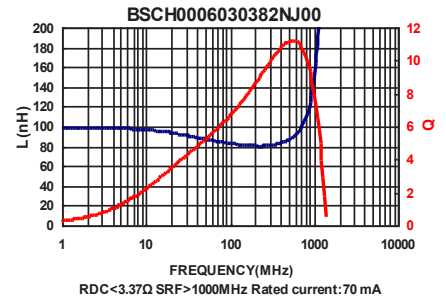
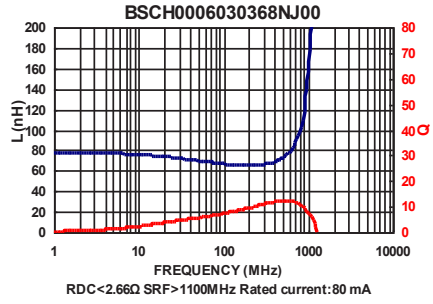
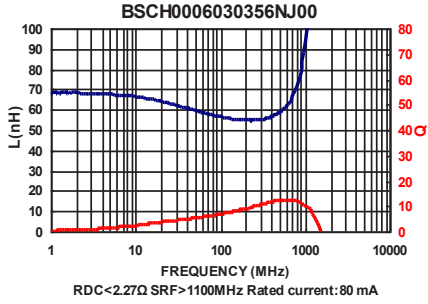
Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Typ. | RDC (Ω) Max | IDC (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|----------------|-------------|--------------|
| BSCH001005051N0□CS | 1.0 | ±0.3nH | 100 | 8 | 10000 | 0.07 | 400 |
| BSCH001005051N1□CS | 1.1 | ±0.3nH | 100 | 8 | 10000 | 0.10 | 400 |
| BSCH001005051N2□CS | 1.2 | ±0.3nH | 100 | 8 | 10000 | 0.09 | 400 |
| BSCH001005051N3□CS | 1.3 | ±0.3nH | 100 | 8 | 9000 | 0.10 | 400 |
| BSCH001005051N5□CS | 1.5 | ±0.3nH | 100 | 8 | 9000 | 0.10 | 400 |
| BSCH001005051N6□CS | 1.6 | ±0.3nH | 100 | 8 | 8700 | 0.10 | 400 |
| BSCH001005051N8□CS | 1.8 | ±0.3nH | 100 | 8 | 8700 | 0.10 | 400 |
| BSCH001005052N0□CS | 2.0 | ±0.3nH | 100 | 8 | 8100 | 0.10 | 400 |
| BSCH001005052N2□CS | 2.2 | ±0.3nH | 100 | 8 | 8100 | 0.12 | 400 |
| BSCH001005052N4□CS | 2.4 | ±0.3nH | 100 | 8 | 7700 | 0.15 | 400 |
| BSCH001005052N7□CS | 2.7 | ±0.3nH | 100 | 8 | 7700 | 0.15 | 400 |
| BSCH001005053N0□CS | 3.0 | ±0.3nH | 100 | 8 | 6300 | 0.15 | 400 |
| BSCH001005053N3□CS | 3.3 | ±0.3nH/10 | 100 | 8 | 6300 | 0.15 | 400 |
| BSCH001005053N6□CS | 3.6 | ±0.3nH/10 | 100 | 8 | 6100 | 0.15 | 400 |
| BSCH001005053N9□CS | 3.9 | ±0.3nH/10 | 100 | 8 | 6100 | 0.18 | 400 |
| BSCH001005054N3□CS | 4.3 | ±0.3nH/10 | 100 | 8 | 6000 | 0.18 | 400 |
| BSCH001005054N7□CS | 4.7 | ±0.3nH/10 | 100 | 8 | 6000 | 0.18 | 400 |
| BSCH001005055N0□CS | 5.0 | ±0.3nH/10 | 100 | 8 | 5100 | 0.20 | 400 |
| BSCH001005055N1□CS | 5.1 | ±0.3nH/10 | 100 | 8 | 5300 | 0.20 | 400 |
| BSCH001005055N6□CS | 5.6 | ±0.3nH/10 | 100 | 8 | 5100 | 0.20 | 400 |
| BSCH001005056N8□CS | 6.8 | 5 / 10 | 100 | 8 | 4550 | 0.24 | 400 |
| BSCH001005057N5□CS | 7.5 | 5 / 10 | 100 | 8 | 4200 | 0.24 | 300 |
| BSCH001005058N0□CS | 8.0 | 5 / 10 | 100 | 8 | 4100 | 0.30 | 300 |
| BSCH001005058N2□CS | 8.2 | 5 / 10 | 100 | 8 | 4100 | 0.24 | 300 |
| BSCH001005059N1□CS | 9.1 | 5 / 10 | 100 | 8 | 3900 | 0.26 | 300 |
| BSCH0010050510N□CS | 10 | 5 / 10 | 100 | 8 | 3900 | 0.26 | 300 |
| BSCH0010050512N□CS | 12 | 5 / 10 | 100 | 8 | 3000 | 0.40 | 300 |
| BSCH0010050515N□CS | 15 | 5 / 10 | 100 | 8 | 2800 | 0.50 | 300 |
| BSCH0010050518N□CS | 18 | 5 / 10 | 100 | 8 | 2500 | 0.55 | 300 |
| BSCH0010050522N□CS | 22 | 5 / 10 | 100 | 8 | 2200 | 0.70 | 300 |
| BSCH0010050524N□CS | 24 | 5 / 10 | 100 | 8 | 2100 | 0.70 | 300 |
| BSCH0010050527N□CS | 27 | 5 / 10 | 100 | 8 | 2000 | 0.80 | 300 |
| BSCH0010050533N□CS | 33 | 5 / 10 | 100 | 8 | 1800 | 0.9 | 200 |
| BSCH0010050539N□CS | 39 | 5 / 10 | 100 | 8 | 1600 | 1.0 | 150 |

SMD Ceramic Multilayer Chip Inductors

BSCH Series



| | | | | | | | |
|--------------------|----|--------|-----|---|------|-----|-----|
| BSCH0010050547N□CS | 47 | 5 / 10 | 100 | 8 | 1400 | 1.2 | 150 |
|--------------------|----|--------|-----|---|------|-----|-----|

Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5% , K=±10%

- Operating temperature range –55°C ~ 125°C (Including self - temperature rise)
- IDC : Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0nH
- Measure Equipment :
 - L & Q : Agilent E4991A+Agilent 16197A
 - SRF : HP8753D
 - RDC : HP4338B or CHEN HWA 502

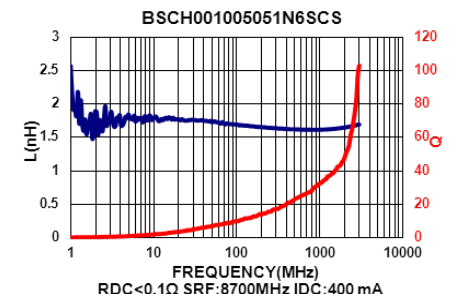
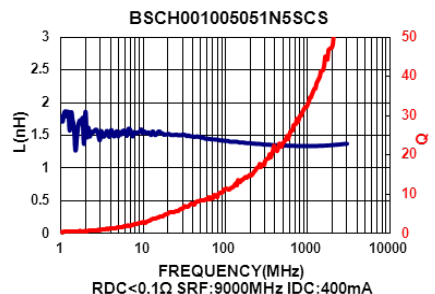
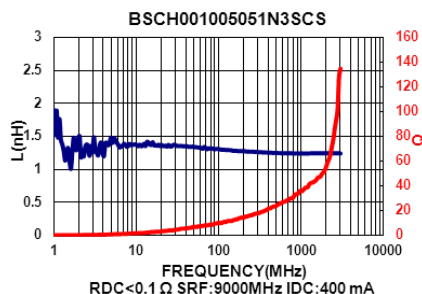
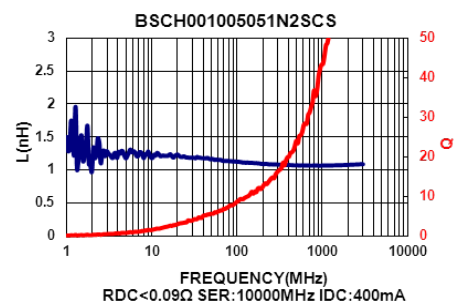
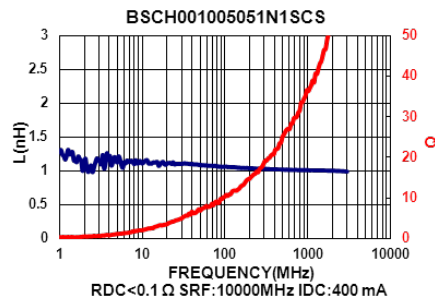
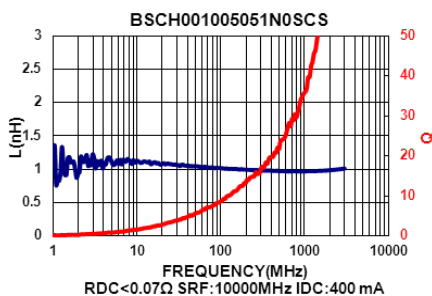
Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Typ. | RDC (Ω) Max | IDC (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|----------------|-------------|--------------|
| BSCH0010050556N□CS | 56 | 5 / 10 | 100 | 8 | 1300 | 1.3 | 150 |
| BSCH0010050568N□CS | 68 | 5 / 10 | 100 | 8 | 1100 | 1.5 | 100 |
| BSCH0010050575N□CS | 75 | 5 / 10 | 100 | 8 | 1080 | 1.5 | 100 |
| BSCH0010050582N□CS | 82 | 5 / 10 | 100 | 8 | 1000 | 1.6 | 100 |
| BSCH00100505R10□CS | 100 | 5 / 10 | 100 | 8 | 900 | 2.0 | 100 |
| BSCH00100505R12□CS | 120 | 5 / 10 | 100 | 8 | 800 | 2.2 | 100 |
| BSCH00100505R15□CS | 150 | 5 / 10 | 100 | 8 | 700 | 3.5 | 100 |
| BSCH00100505R18□CS | 180 | 5 / 10 | 100 | 8 | 600 | 3.8 | 100 |
| BSCH00100505R22□CS | 220 | 5 / 10 | 100 | 8 | 500 | 4.2 | 100 |
| BSCH00100505R27□CS | 270 | 5 / 10 | 100 | 8 | 500 | 4.8 | 100 |

Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5% , K=±10%

- Operating temperature range -55°C ~ 125°C (Including self - temperature rise)
- IDC : Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0nH
- Measure Equipment :
L & Q : Agilent E4991A+Agilent 16197A
SRF : HP8753D
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Material/Impedance Analyzer

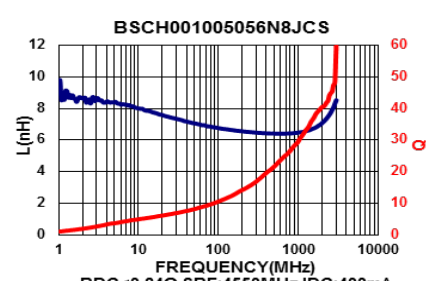
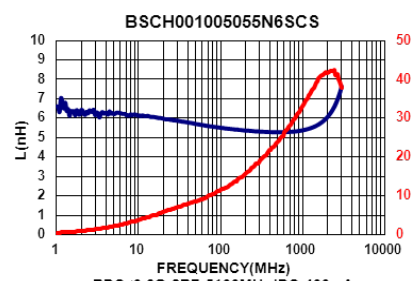
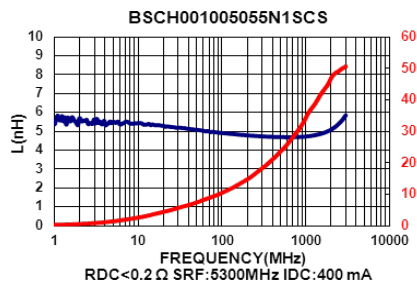
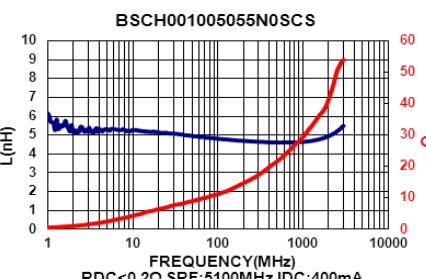
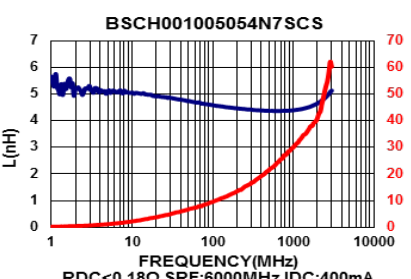
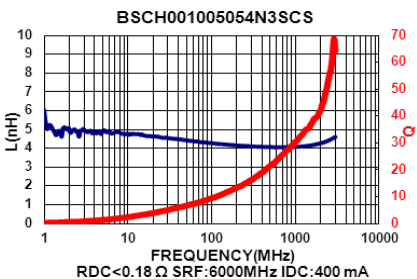
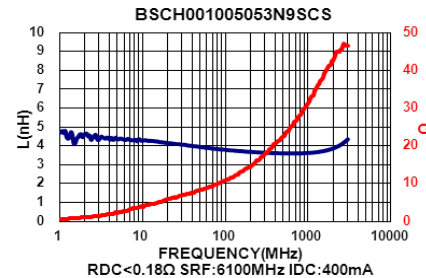
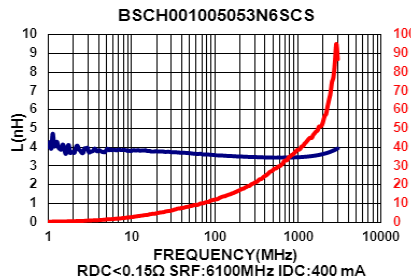
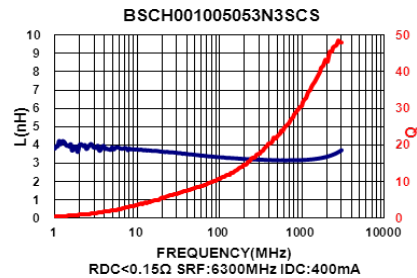
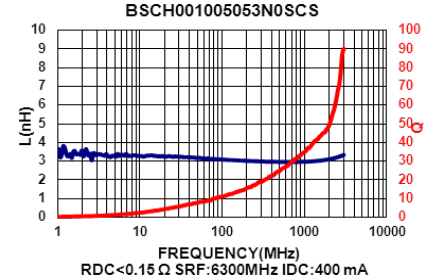
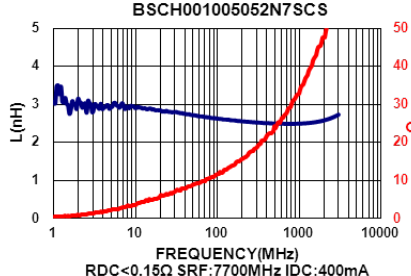
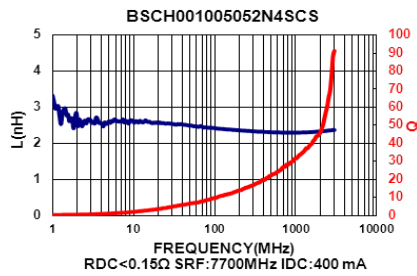
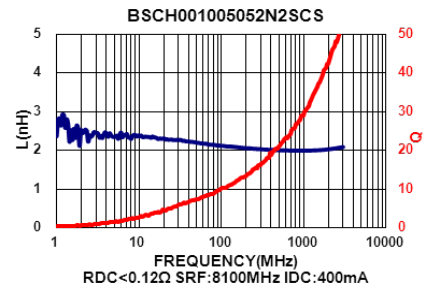
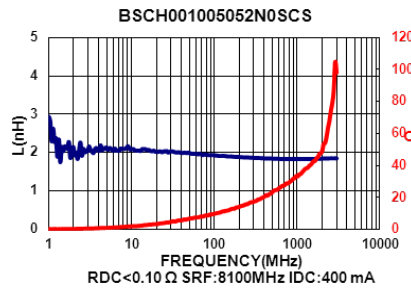
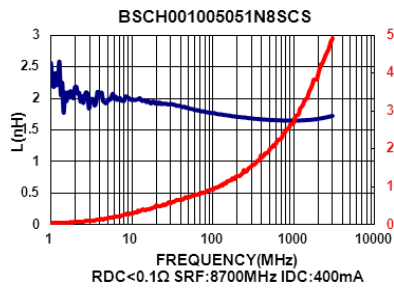


SMD Ceramic Multilayer Chip Inductors

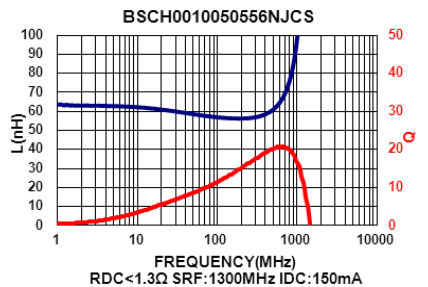
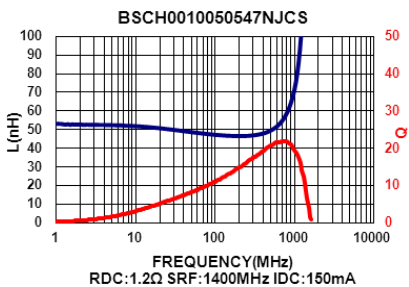
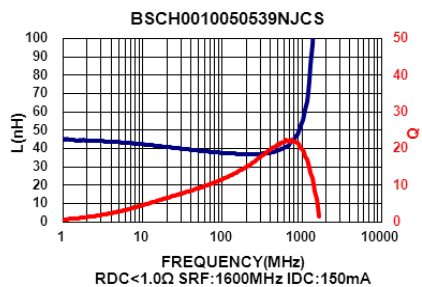
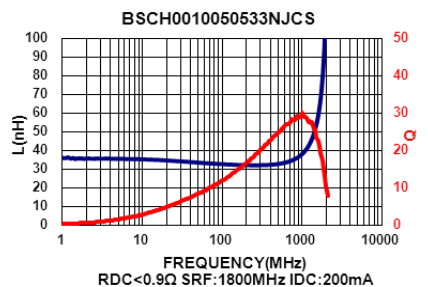
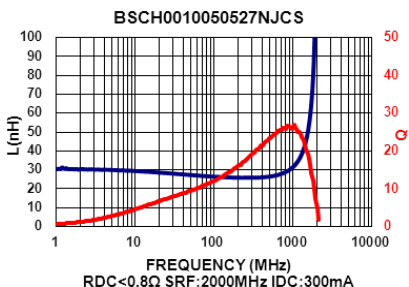
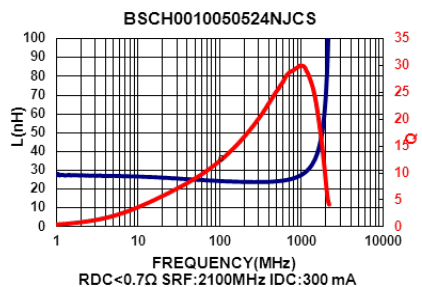
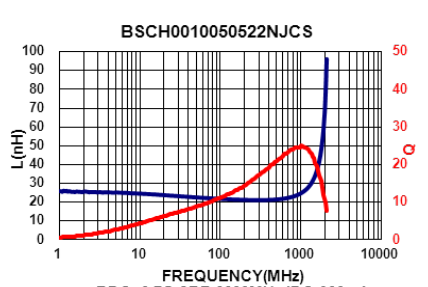
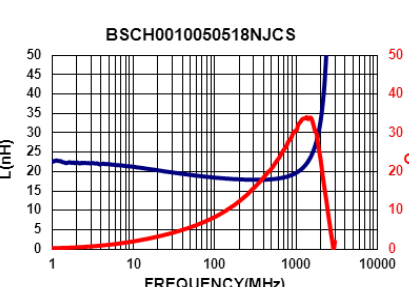
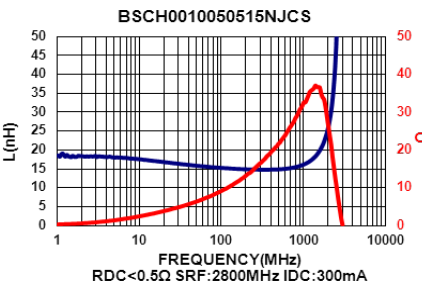
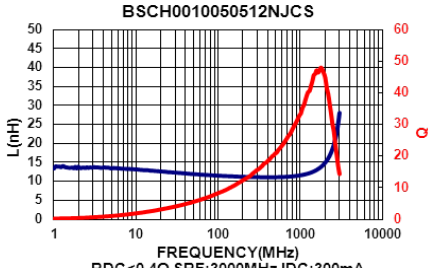
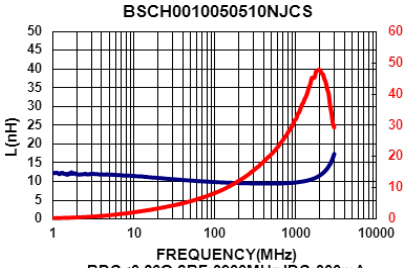
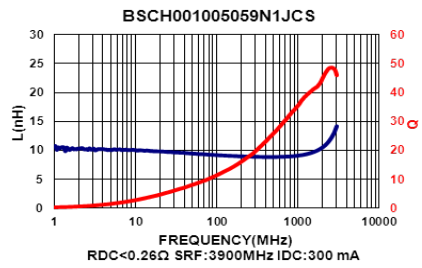
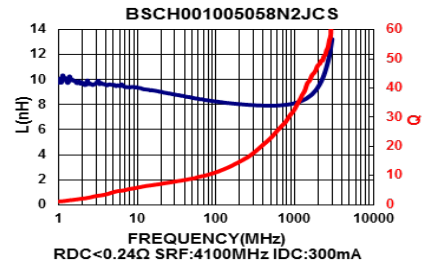
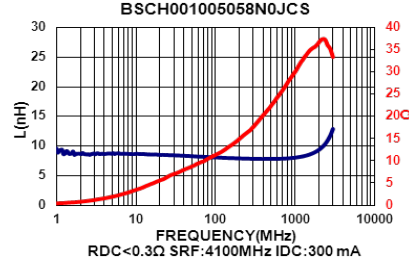
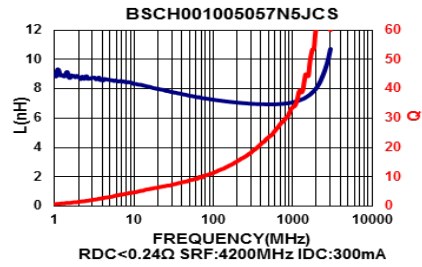
BSCH Series



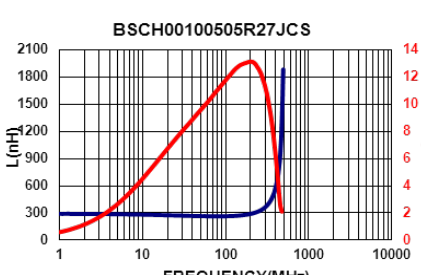
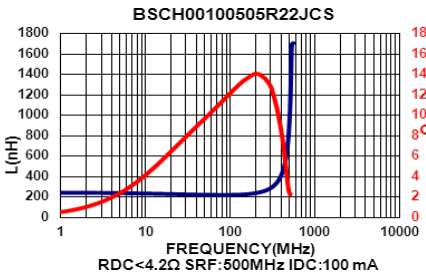
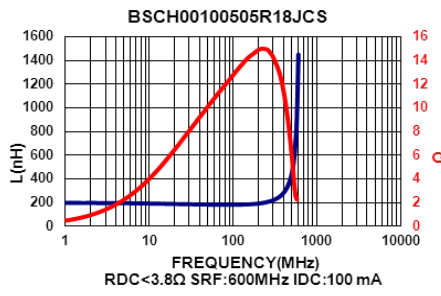
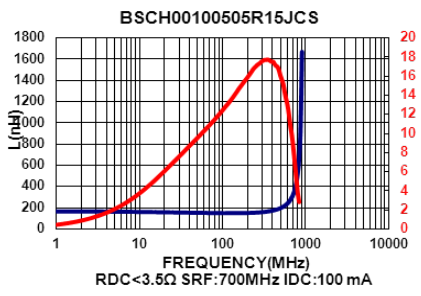
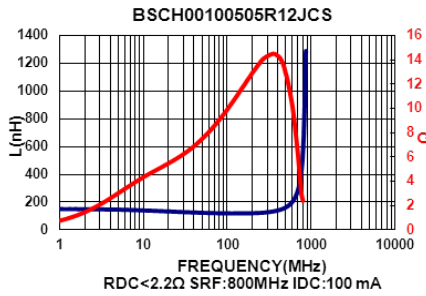
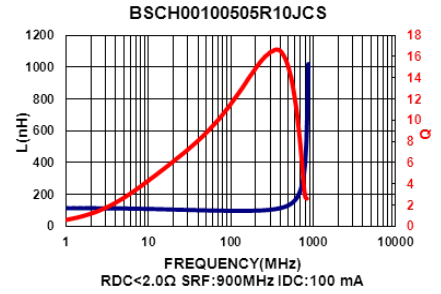
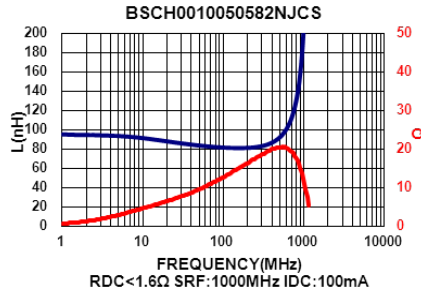
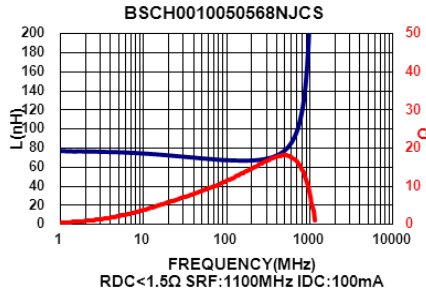
Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Typ. | RDC (Ω) Max | Rated Current (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|----------------|-------------|------------------------|
| BSCH001005051N0□CP | 1.0 | ±0.3nH | 100 | 8 | 10000 | 0.07 | 400 |
| BSCH001005051N1□CP | 1.1 | ±0.3nH | 100 | 8 | 10000 | 0.10 | 400 |
| BSCH001005051N2□CP | 1.2 | ±0.3nH | 100 | 8 | 10000 | 0.09 | 400 |
| BSCH001005051N3□CP | 1.3 | ±0.3nH | 100 | 8 | 9000 | 0.10 | 400 |
| BSCH001005051N5□CP | 1.5 | ±0.3nH | 100 | 8 | 9000 | 0.10 | 400 |
| BSCH001005051N6□CP | 1.6 | ±0.3nH | 100 | 8 | 8700 | 0.10 | 400 |
| BSCH001005051N8□CP | 1.8 | ±0.3nH | 100 | 8 | 8700 | 0.10 | 400 |
| BSCH001005052N0□CP | 2.0 | ±0.3nH | 100 | 8 | 8100 | 0.10 | 400 |
| BSCH001005052N2□CP | 2.2 | ±0.3nH | 100 | 8 | 8100 | 0.12 | 400 |
| BSCH001005052N4□CP | 2.4 | ±0.3nH | 100 | 8 | 7700 | 0.15 | 400 |
| BSCH001005052N7□CP | 2.7 | ±0.3nH | 100 | 8 | 7700 | 0.15 | 400 |
| BSCH001005053N0□CP | 3.0 | ±0.3nH | 100 | 8 | 6300 | 0.15 | 400 |
| BSCH001005053N3□CP | 3.3 | ±0.3nH | 100 | 8 | 6300 | 0.15 | 400 |
| BSCH001005053N6□CP | 3.6 | ±0.3nH | 100 | 8 | 6100 | 0.15 | 400 |
| BSCH001005053N9□CP | 3.9 | ±0.3nH | 100 | 8 | 6100 | 0.18 | 400 |
| BSCH001005054N3□CP | 4.3 | ±0.3nH | 100 | 8 | 6000 | 0.18 | 400 |
| BSCH001005054N7□CP | 4.7 | ±0.3nH | 100 | 8 | 6000 | 0.18 | 400 |
| BSCH001005055N1□CP | 5.1 | ±0.3nH | 100 | 8 | 5300 | 0.20 | 400 |
| BSCH001005055N6□CP | 5.6 | ±0.3nH | 100 | 8 | 5100 | 0.20 | 400 |
| BSCH001005056N2□CP | 6.2 | ±0.3nH/5/10 | 100 | 8 | 4500 | 0.22 | 400 |
| BSCH001005056N8□CP | 6.8 | 5 / 10 | 100 | 8 | 4550 | 0.24 | 400 |
| BSCH001005057N5□CP | 7.5 | 5 / 10 | 100 | 8 | 4200 | 0.24 | 300 |
| BSCH001005058N2□CP | 8.2 | 5 / 10 | 100 | 8 | 4100 | 0.24 | 300 |
| BSCH001005059N1□CP | 9.1 | 5 / 10 | 100 | 8 | 3900 | 0.26 | 300 |
| BSCH0010050510N□CP | 10 | 5 / 10 | 100 | 8 | 3900 | 0.26 | 300 |
| BSCH0010050512N□CP | 12 | 5 / 10 | 100 | 8 | 3000 | 0.28 | 300 |
| BSCH0010050515N□CP | 15 | 5 / 10 | 100 | 8 | 2500 | 0.32 | 300 |
| BSCH0010050518N□CP | 18 | 5 / 10 | 100 | 8 | 2200 | 0.36 | 300 |
| BSCH0010050522N□CP | 22 | 5 / 10 | 100 | 8 | 1900 | 0.42 | 300 |
| BSCH0010050527N□CP | 27 | 5 / 10 | 100 | 8 | 1700 | 0.46 | 300 |
| BSCH0010050533N□CP | 33 | 5 / 10 | 100 | 8 | 1600 | 0.58 | 200 |
| BSCH0010050539N□CP | 39 | 5 / 10 | 100 | 8 | 1200 | 0.65 | 200 |
| BSCH0010050547N□CP | 47 | 5 / 10 | 100 | 8 | 1000 | 0.72 | 200 |
| BSCH0010050556N□CP | 56 | 5 / 10 | 100 | 8 | 800 | 0.82 | 200 |

SMD Ceramic Multilayer Chip Inductors

BSCH Series

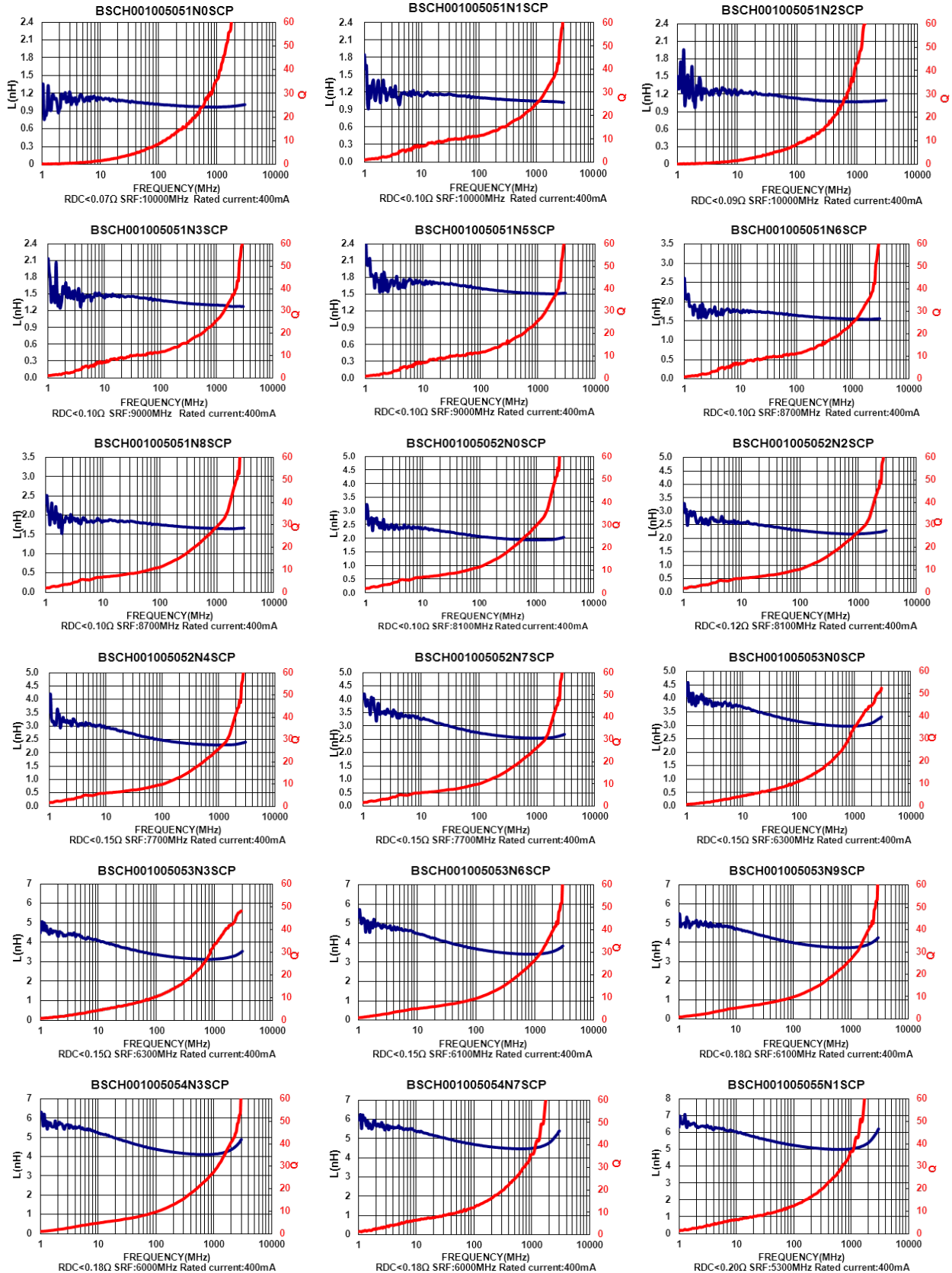


| | | | | | | | |
|--------------------|----|--------|-----|---|-----|------|-----|
| BSCH0010050568N□CP | 68 | 5 / 10 | 100 | 8 | 800 | 0.92 | 180 |
| BSCH0010050582N□CP | 82 | 5 / 10 | 100 | 8 | 700 | 1.20 | 150 |

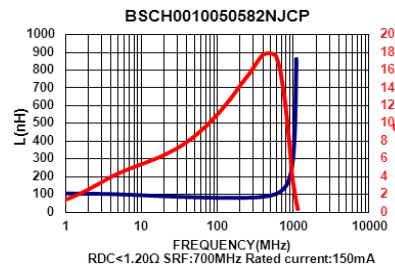
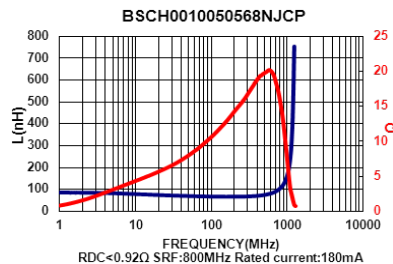
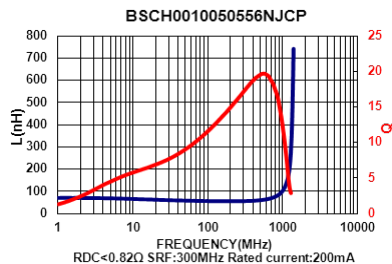
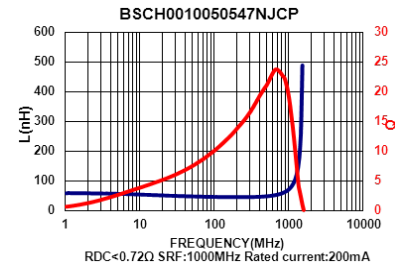
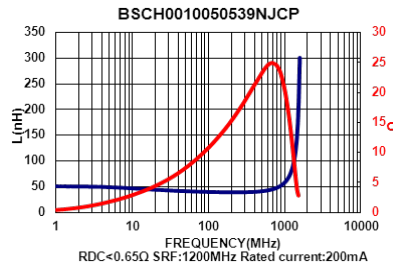
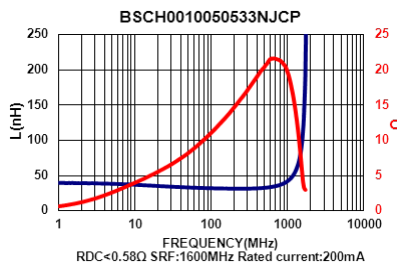
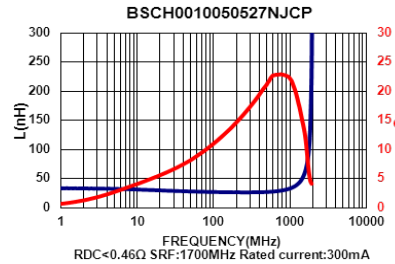
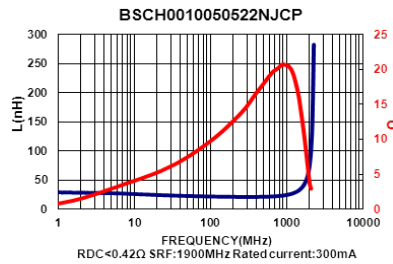
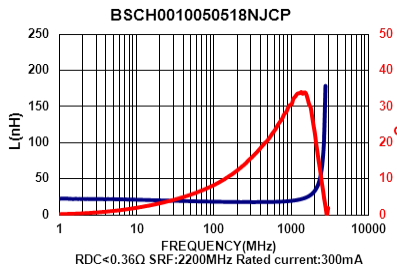
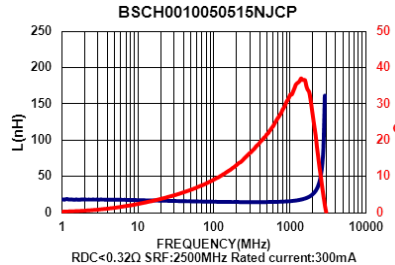
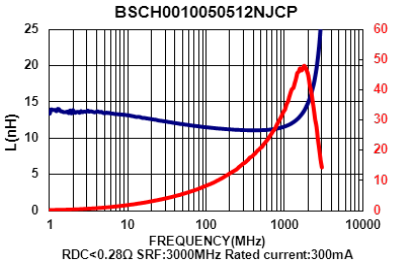
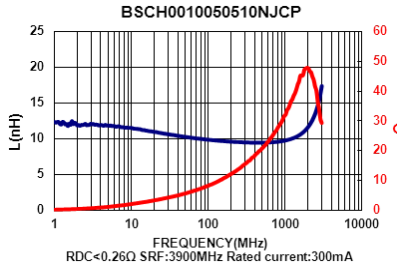
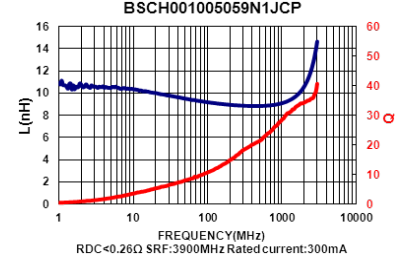
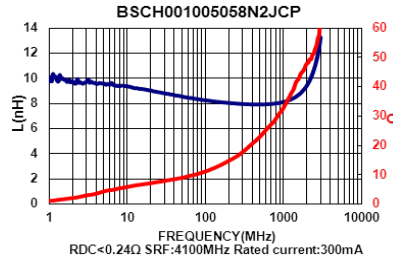
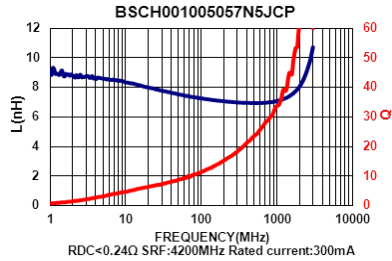
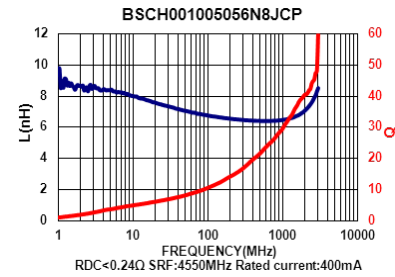
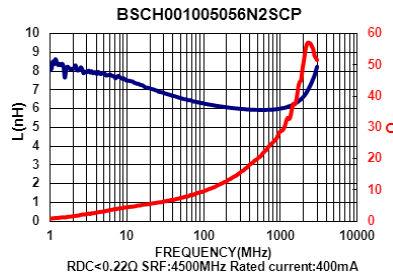
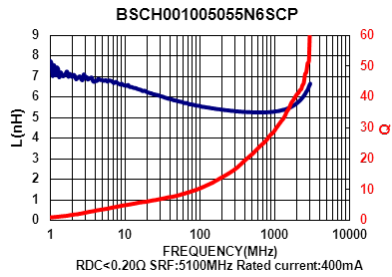
Note: When ordering, please specify tolerance code. Tolerance : C=±0.2nH , S=±0.3nH , J=±5% , K=±10%

- Operating temperature range—55°C ~ 125°C (Including self - temperature rise)
- Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
- Residual impedance of short chip : 0nH
- Measure Equipment :
 - L & Q : Agilent E4991A+Agilent 16197A
 - SRF : HP8753D
 - RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



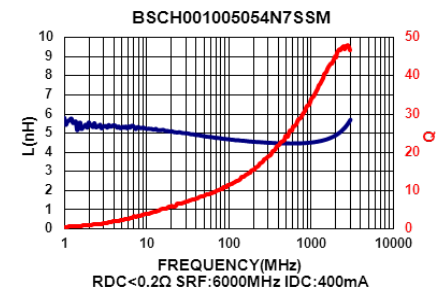
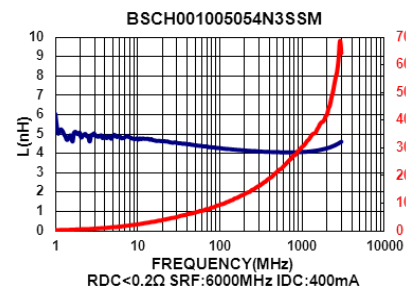
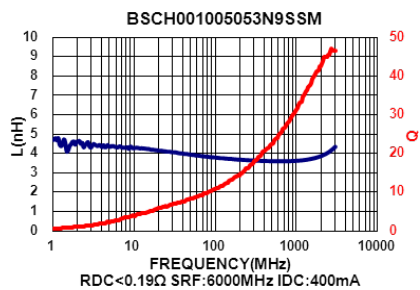
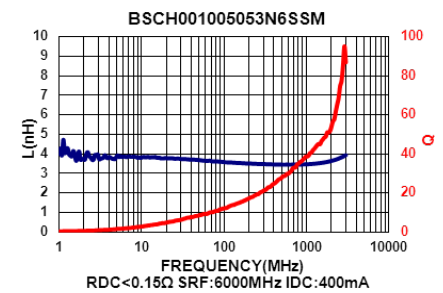
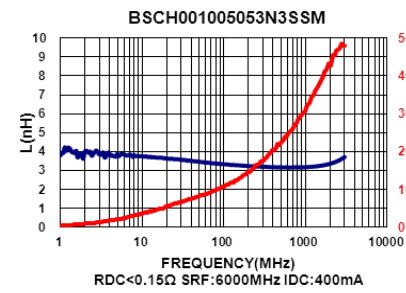
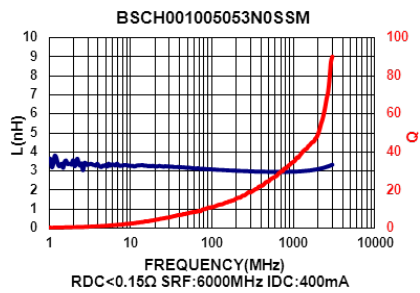
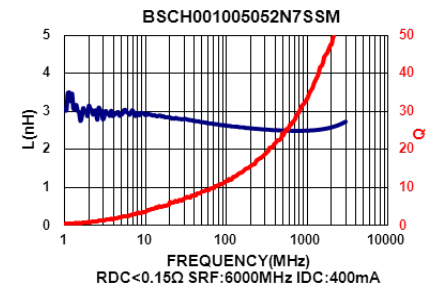
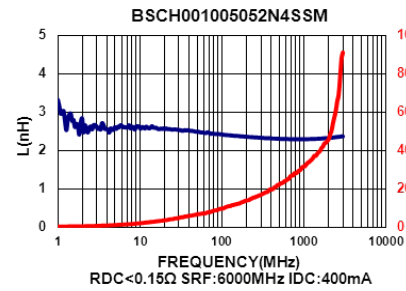
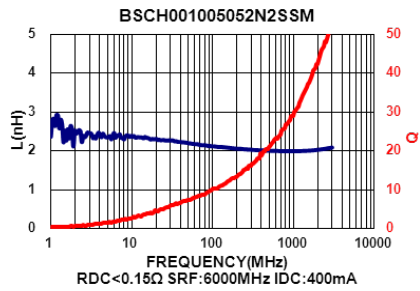
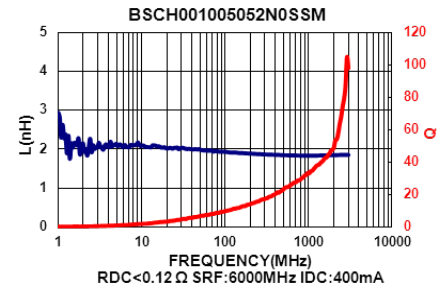
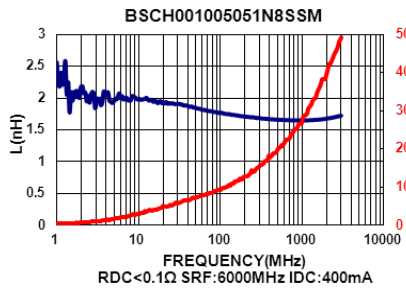
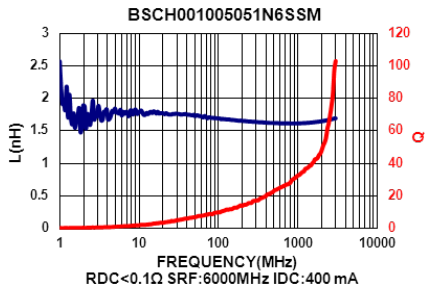
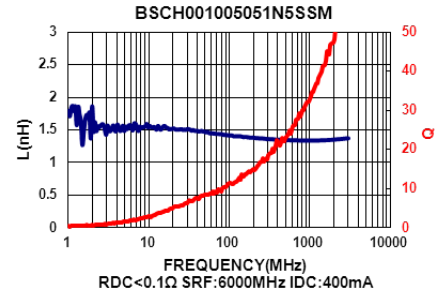
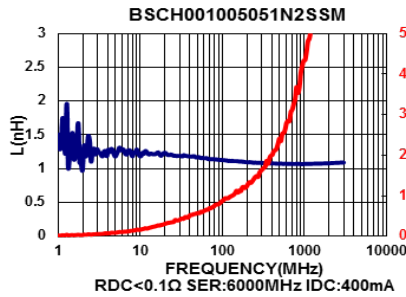
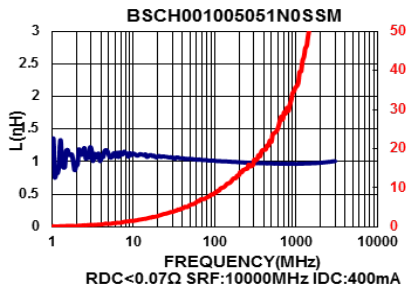
Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Min | RDC (Ω) Max | IDC (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|---------------|-------------|--------------|
| BSCH001005051N0□SM | 1.0 | ±0.3nH | 100 | 8 | 10000 | 0.07 | 400 |
| BSCH001005051N2□SM | 1.2 | ±0.3nH | 100 | 8 | 6000 | 0.10 | 400 |
| BSCH001005051N5□SM | 1.5 | ±0.3nH | 100 | 8 | 6000 | 0.10 | 400 |
| BSCH001005051N6□SM | 1.6 | ±0.3nH | 100 | 8 | 6000 | 0.10 | 400 |
| BSCH001005051N8□SM | 1.8 | ±0.3nH | 100 | 8 | 6000 | 0.10 | 400 |
| BSCH001005052N0□SM | 2.0 | ±0.3nH | 100 | 8 | 6000 | 0.12 | 400 |
| BSCH001005052N2□SM | 2.2 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005052N4□SM | 2.4 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005052N7□SM | 2.7 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005053N0□SM | 3.0 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005053N3□SM | 3.3 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005053N6□SM | 3.6 | ±0.3nH | 100 | 8 | 6000 | 0.15 | 400 |
| BSCH001005053N9□SM | 3.9 | ±0.3nH | 100 | 8 | 6000 | 0.19 | 400 |
| BSCH001005054N3□SM | 4.3 | ±0.3nH | 100 | 8 | 6000 | 0.20 | 400 |
| BSCH001005054N7□SM | 4.7 | ±0.3nH | 100 | 8 | 6000 | 0.20 | 400 |
| BSCH001005055N1□SM | 5.1 | ±0.3nH | 100 | 8 | 6000 | 0.20 | 400 |
| BSCH001005055N6□SM | 5.6 | ±0.3nH | 100 | 8 | 5300 | 0.20 | 400 |
| BSCH001005056N2□SM | 6.2 | 5 | 100 | 8 | 4300 | 0.25 | 400 |
| BSCH001005056N8□SM | 6.8 | 5 | 100 | 8 | 4200 | 0.25 | 400 |
| BSCH001005057N5□SM | 7.5 | 5 | 100 | 8 | 3900 | 0.25 | 400 |
| BSCH001005058N2□SM | 8.2 | 5 | 100 | 8 | 3600 | 0.30 | 300 |
| BSCH001005059N1□SM | 9.1 | 5 | 100 | 8 | 3400 | 0.34 | 300 |
| BSCH0010050510N□SM | 10 | 5 | 100 | 8 | 3200 | 0.35 | 300 |
| BSCH0010050512N□SM | 12 | 5 | 100 | 8 | 2800 | 0.35 | 300 |
| BSCH0010050515N□SM | 15 | 5 | 100 | 8 | 2300 | 0.46 | 300 |

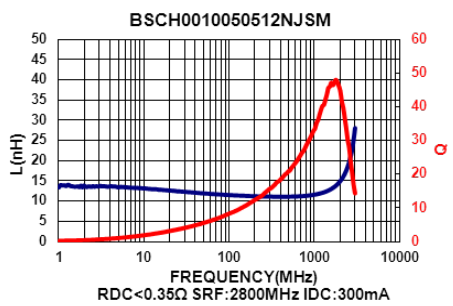
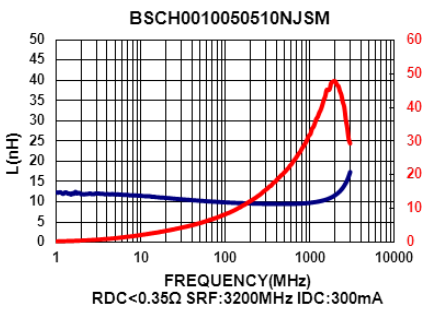
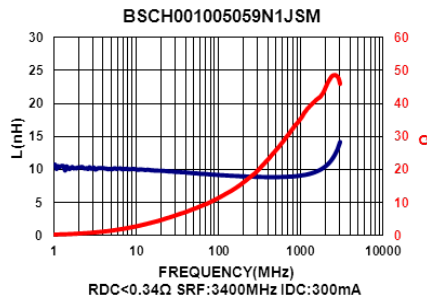
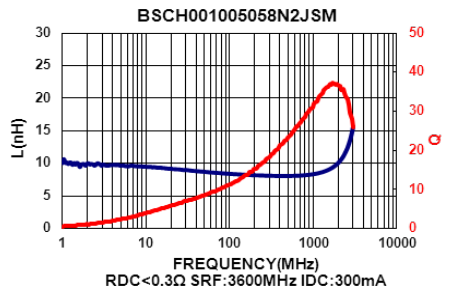
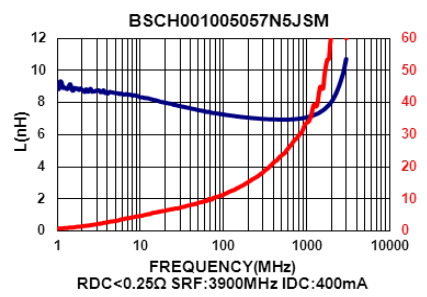
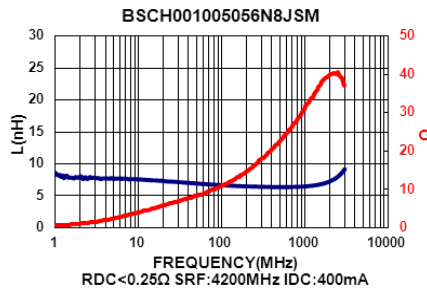
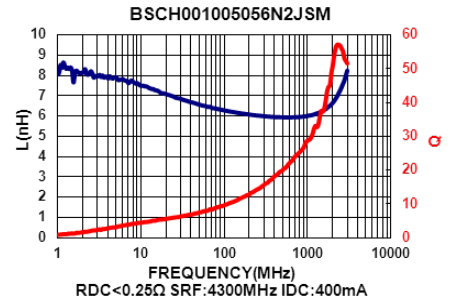
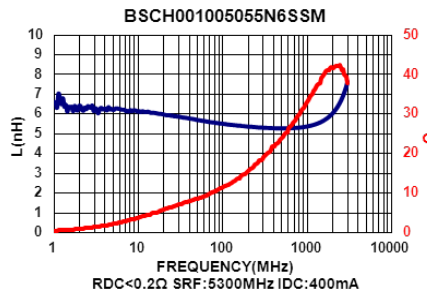
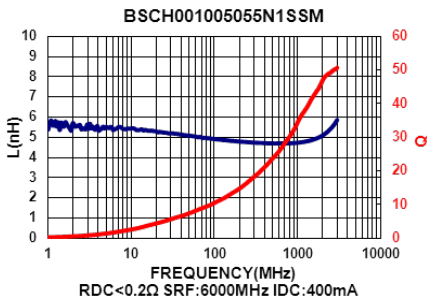
Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5%

- Operating temperature range -55°C ~ 125°C (Including self - temperature rise)
- IDC : Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0.55nH
- Measure Equipment :
L & Q : Agilent E4991A+Agilent 16197A
SRF : HP8753D
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Typ. | RDC (Ω) Max | IDC (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|----------------|-------------|--------------|
| BSCH001608081N0S00 | 1.0 | ±0.3nH | 100 | 8 | 10000 | 0.10 | 600 |
| BSCH001608081N2S00 | 1.2 | ±0.3nH | 100 | 8 | 10000 | 0.10 | 600 |
| BSCH001608081N5S00 | 1.5 | ±0.3nH | 100 | 8 | 8000 | 0.10 | 600 |
| BSCH001608081N6S00 | 1.6 | ±0.3nH | 100 | 8 | 8000 | 0.10 | 600 |
| BSCH001608081N8S00 | 1.8 | ±0.3nH | 100 | 8 | 8000 | 0.10 | 600 |
| BSCH001608082N2S00 | 2.2 | ±0.3nH | 100 | 8 | 7200 | 0.10 | 600 |
| BSCH001608082N7S00 | 2.7 | ±0.3nH | 100 | 10 | 6200 | 0.10 | 600 |
| BSCH001608083N0S00 | 3.0 | ±0.3nH | 100 | 10 | 5200 | 0.12 | 600 |
| BSCH001608083N3□00 | 3.3 | ±0.3nH/10 | 100 | 10 | 5200 | 0.12 | 600 |
| BSCH001608083N6S00 | 3.6 | ±0.3nH | 100 | 10 | 5000 | 0.14 | 600 |
| BSCH001608083N9□00 | 3.9 | ±0.3nH/10 | 100 | 10 | 5000 | 0.14 | 600 |
| BSCH001608084N3□00 | 4.3 | ±0.3nH/10 | 100 | 10 | 4750 | 0.16 | 600 |
| BSCH001608084N7□00 | 4.7 | ±0.3nH /10 | 100 | 10 | 4750 | 0.16 | 600 |
| BSCH001608085N1□00 | 5.1 | ±0.3nH /10 | 100 | 10 | 4100 | 0.18 | 600 |
| BSCH001608085N6□00 | 5.6 | ±0.3nH/10 | 100 | 10 | 4100 | 0.18 | 600 |
| BSCH001608086N2□00 | 6.2 | 5 / 10 | 100 | 10 | 3750 | 0.22 | 600 |
| BSCH001608086N8□00 | 6.8 | 5 / 10 | 100 | 10 | 3750 | 0.22 | 600 |
| BSCH001608087N5□00 | 7.5 | 5 / 10 | 100 | 10 | 3300 | 0.24 | 600 |
| BSCH001608088N2□00 | 8.2 | 5 / 10 | 100 | 10 | 3300 | 0.24 | 600 |
| BSCH0016080810N□00 | 10 | 5 / 10 | 100 | 12 | 3000 | 0.26 | 600 |
| BSCH0016080812N□00 | 12 | 5 / 10 | 100 | 12 | 2600 | 0.28 | 600 |
| BSCH0016080815N□00 | 15 | 5 / 10 | 100 | 12 | 2500 | 0.32 | 600 |
| BSCH0016080816N□00 | 16 | 5 / 10 | 100 | 12 | 2400 | 0.35 | 600 |
| BSCH0016080818N□00 | 18 | 5 / 10 | 100 | 12 | 2400 | 0.35 | 600 |
| BSCH0016080822N□00 | 22 | 5 / 10 | 100 | 12 | 2000 | 0.40 | 500 |
| BSCH0016080827N□00 | 27 | 5 / 10 | 100 | 12 | 1900 | 0.45 | 500 |
| BSCH0016080833N□00 | 33 | 5 / 10 | 100 | 12 | 1600 | 0.55 | 400 |
| BSCH0016080839N□00 | 39 | 5 / 10 | 100 | 12 | 1400 | 0.60 | 400 |
| BSCH0016080847N□00 | 47 | 5 / 10 | 100 | 12 | 1300 | 0.70 | 400 |
| BSCH0016080856N□00 | 56 | 5 / 10 | 100 | 12 | 1100 | 0.75 | 400 |
| BSCH0016080862N□00 | 62 | 5 / 10 | 100 | 12 | 1050 | 0.85 | 400 |
| BSCH0016080868N□00 | 68 | 5 / 10 | 100 | 12 | 1050 | 0.85 | 400 |

SMD Ceramic Multilayer Chip Inductors

BSCH Series



| | | | | | | | |
|--------------------|----|--------|-----|----|-----|------|-----|
| BSCH0016080875N□00 | 75 | 5 / 10 | 100 | 12 | 900 | 1.00 | 300 |
| BSCH0016080882N□00 | 82 | 5 / 10 | 100 | 12 | 900 | 1.00 | 300 |

Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5% , K=±10%

- Operating temperature range –55°C ~ 125°C (Including self - temperature rise)
- IDC : Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0nH
- Measure Equipment :

L & Q : Agilent E4991A+Agilent 16197A

SRF : HP8753D

RDC : HP4338B or CHEN HWA 502

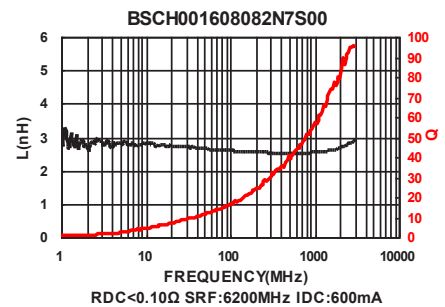
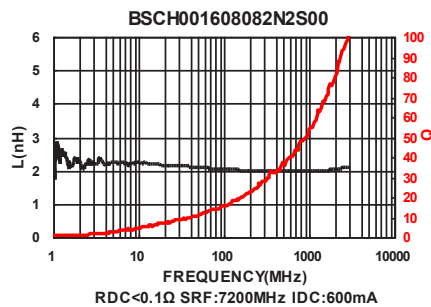
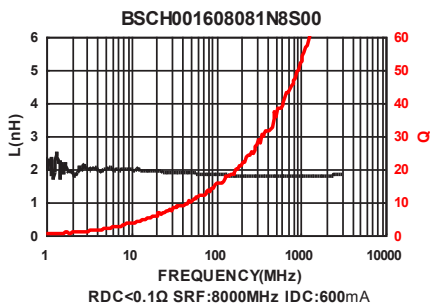
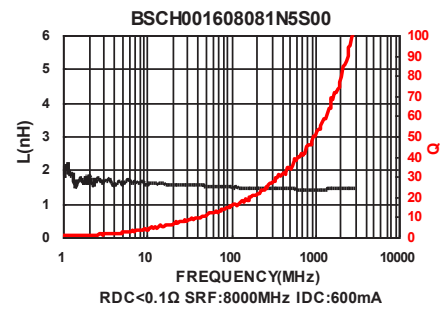
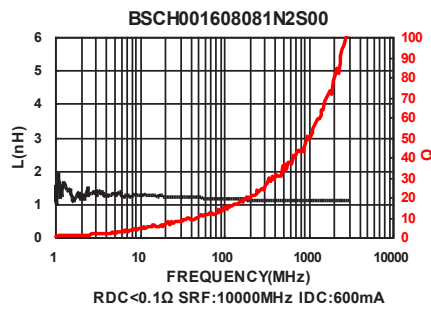
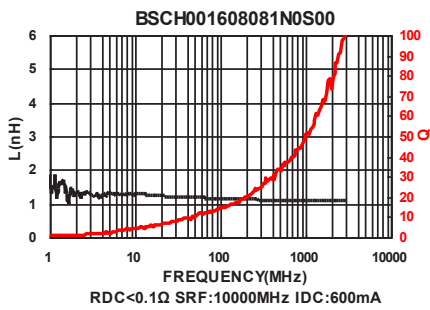
Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Test Frequency (MHz) | Q Min | SRF (MHz) Typ. | RDC (Ω) Max | IDC (mA) Max |
|--------------------|-----------------|----------------|----------------------|-------|----------------|-------------|--------------|
| BSCH00160808R10□00 | 100 | 5 / 10 | 100 | 12 | 770 | 1.20 | 300 |
| BSCH00160808R12□00 | 120 | 5 / 10 | 50 | 8 | 650 | 1.30 | 300 |
| BSCH00160808R15□00 | 150 | 5 / 10 | 50 | 8 | 550 | 1.70 | 250 |
| BSCH00160808R18□00 | 180 | 5 / 10 | 50 | 8 | 520 | 1.90 | 250 |
| BSCH00160808R22□00 | 220 | 5 / 10 | 50 | 8 | 500 | 2.00 | 250 |
| BSCH00160808R27□00 | 270 | 5 / 10 | 50 | 8 | 470 | 2.20 | 150 |
| BSCH00160808R33□00 | 330 | 5 / 10 | 50 | 8 | 320 | 2.80 | 100 |
| BSCH00160808R39□00 | 390 | 5 / 10 | 50 | 8 | 300 | 3.00 | 100 |

Note: When ordering, please specify tolerance code. Tolerance : S=±0.3nH , J=±5% , K=±10%

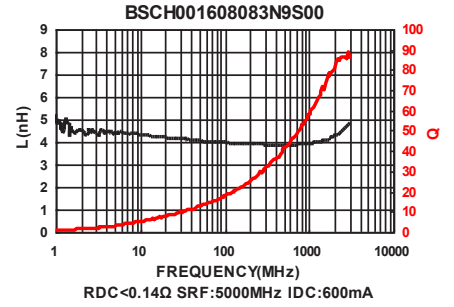
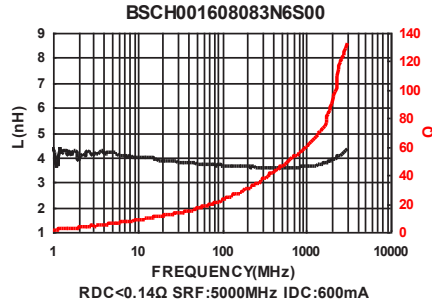
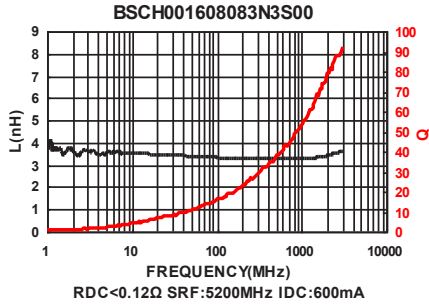
- Operating temperature range—55°C ~ 125°C (Including self - temperature rise)
- IDC : Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0nH
- Measure Equipment :
L & Q : Agilent E4991A+Agilent 16197A
SRF : HP8753D
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Material/Impedance Analyzer

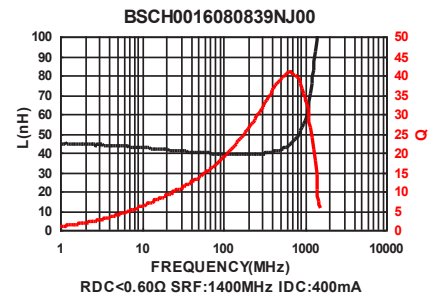
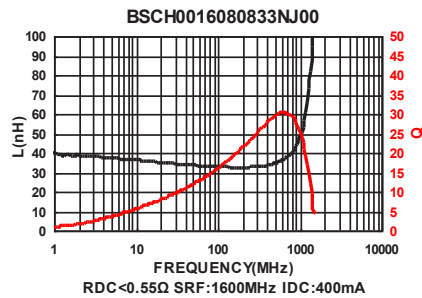
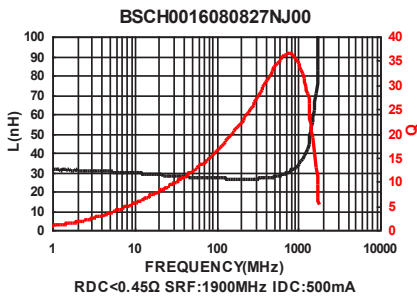
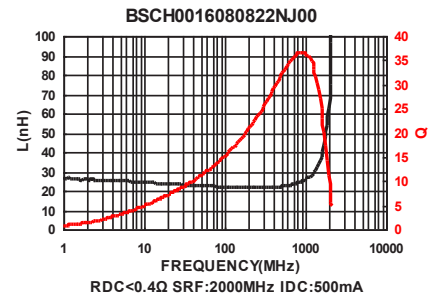
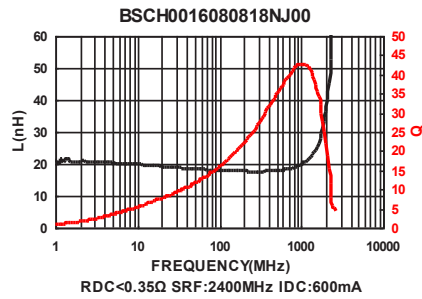
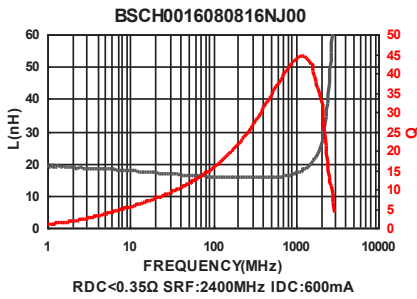
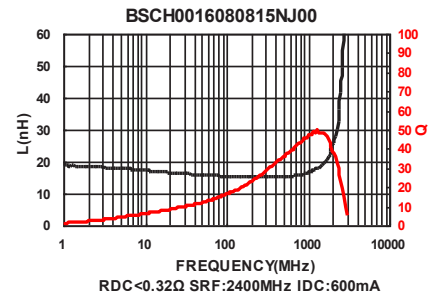
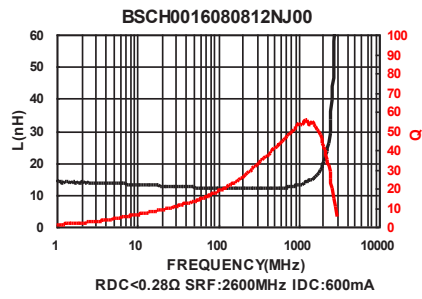
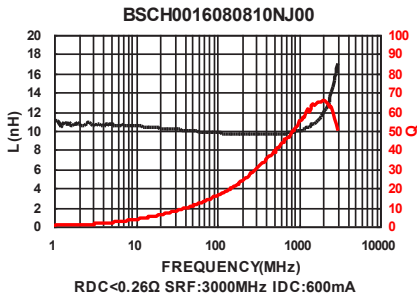
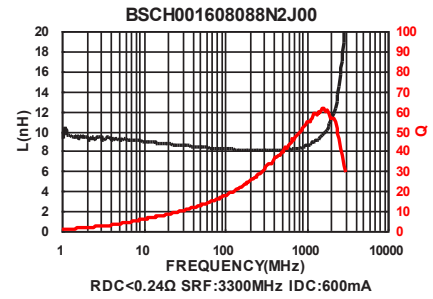
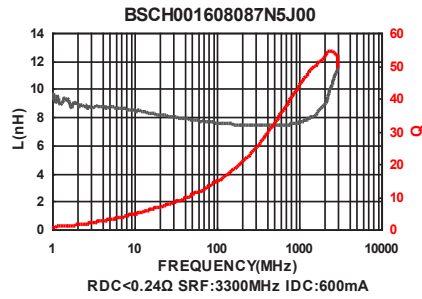
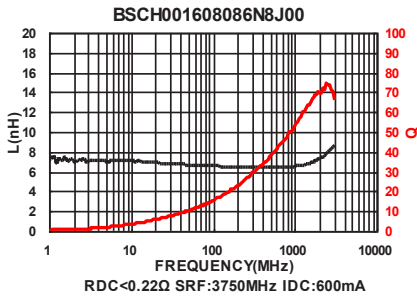
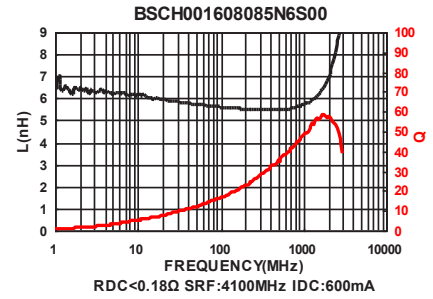
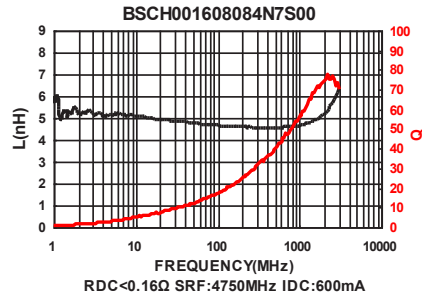
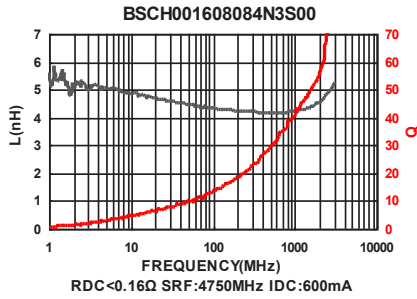


SMD Ceramic Multilayer Chip Inductors

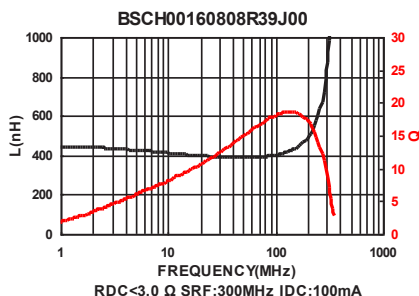
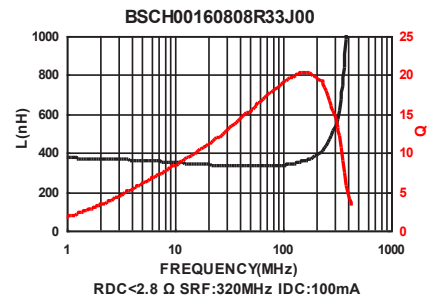
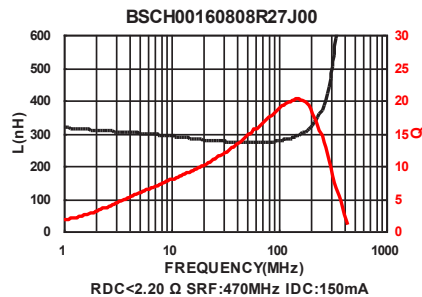
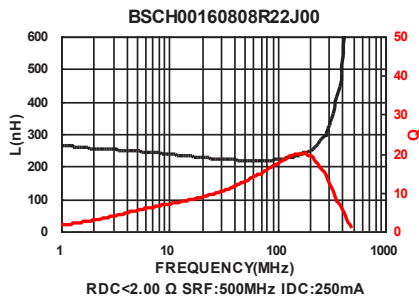
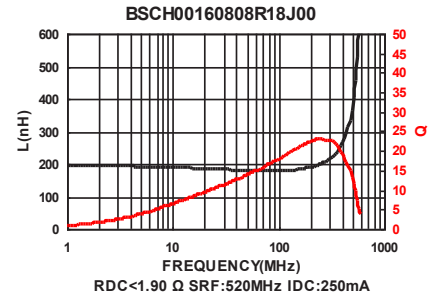
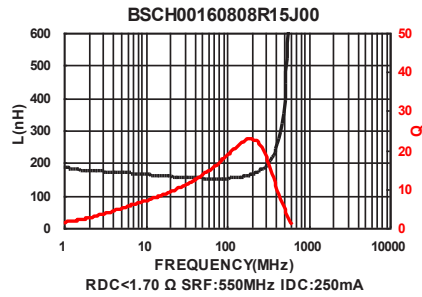
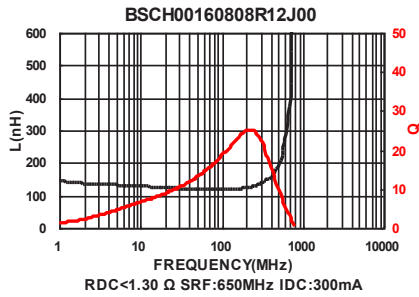
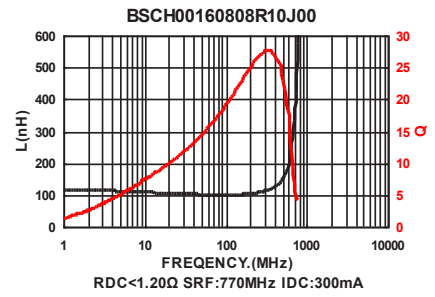
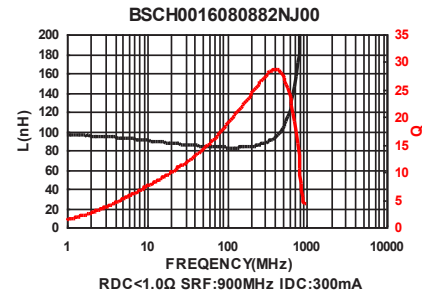
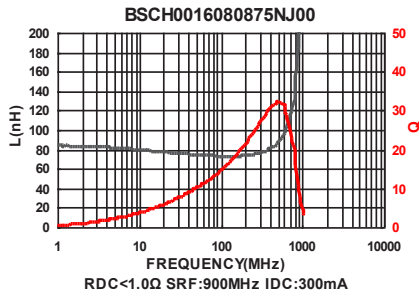
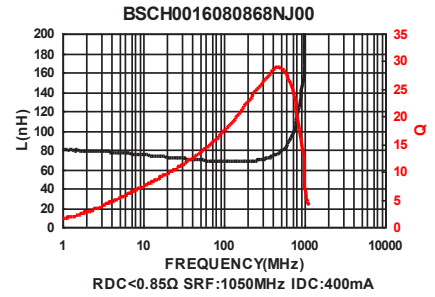
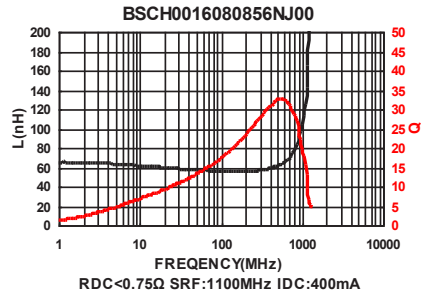
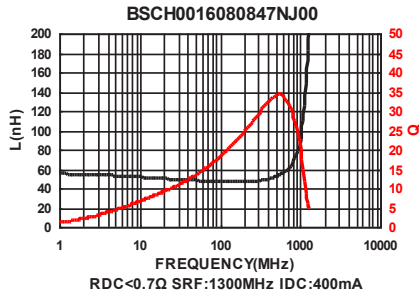
BSCH Series



Test Instruments : Agilent E4991A Material/Impedance Analyzer



Test Instruments : Agilent E4991A Material/Impedance Analyzer

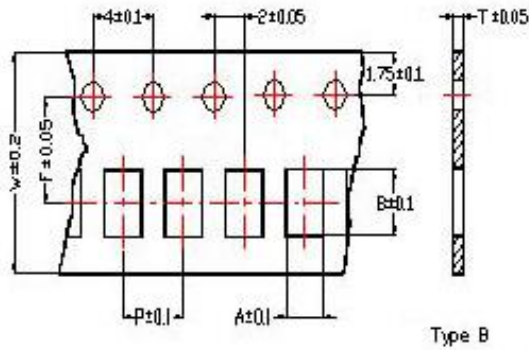


SMD Ceramic Multilayer Chip Inductors

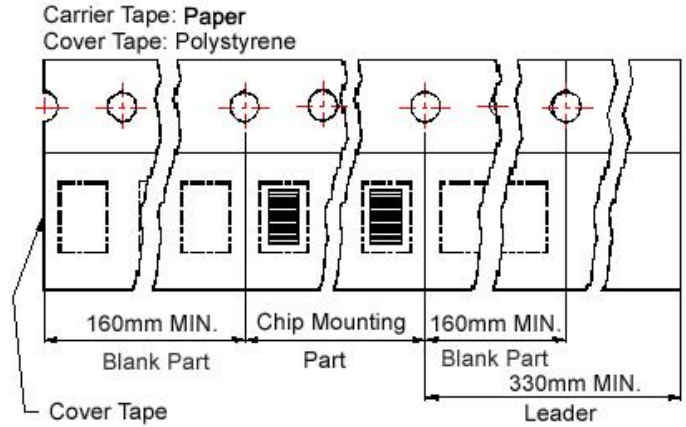
BSCH Series

Packaging Specifications

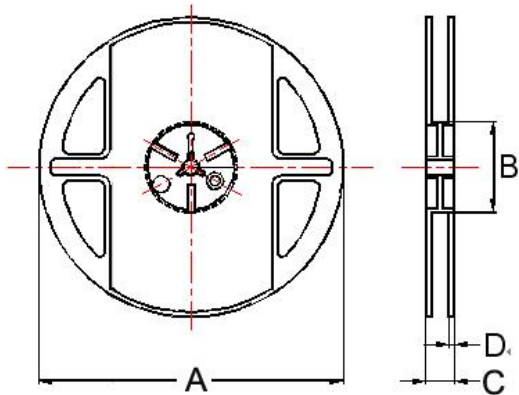
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

| TYPE | Tape Dimensions | | | | | | Reel Dimensions | | | | Quantity PCS / Reel |
|--------------|-----------------|------|------|---|---|-----|-----------------|----|----|-----|------------------------|
| | A | B | T | W | P | F | A | B | C | D | |
| BSCH00060303 | 0.37 | 0.67 | 0.42 | 8 | 2 | 3.5 | 180 | 60 | 13 | 1.5 | 15000 |
| BSCH00100505 | 0.62 | 1.12 | 0.60 | 8 | 2 | 3.5 | 178 | 60 | 12 | 1.5 | 10000 |
| BSCH00160808 | 1.00 | 1.80 | 0.95 | 8 | 4 | 3.5 | 178 | 60 | 12 | 1.5 | 4000 |

For More Information:

Americas - proinfo_power_americas@yageo.com | Europe - proinfo_power_emea@yageo.com | Asia - proinfo_power_asia@yageo.com

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