# BSCQ Series



BSCQ Series supports miniaturized devices. Its low inductance, high precision and high Q enables easy impedance matching at both RF and IF circuits and compact high frequency circuit designing.

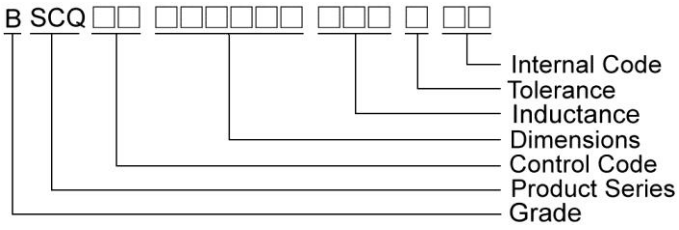
## Features

- Excellent high frequency application
- High Q factor and SRF value
- Miniaturization
- Tight tolerance
- Wide inductance range

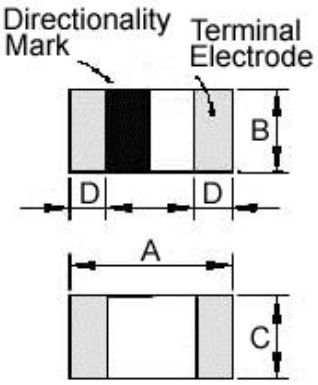
## Applications

- RF matching circuit requiring Q value
- Bluetooth, WLAN, UWB, digital TV tuners and high-frequency circuit and module

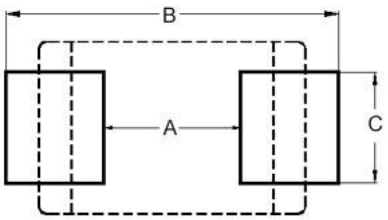
## Product Identification




## Shape and Dimensions




## Recommended Pattern




Dimensions in mm

| TYPE | A | B | C | D |
|---|---|---|---|---|
| BSCQ00060303 | 0.6±0.03 | 0.3±0.03 | 0.3±0.03 | 0.15±0.05 |

Dimensions in mm

| TYPE | A | B | C |
|---|---|---|---|
| BSCQ00060303 | 0.3 | 0.75 ~ 1.05 | 0.3 |

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## Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Q Min | Test Freq. (MHz) | Q Typical 500 MHz | 800 MHz | 1.8 GHz | 2.0 GHz | 2.4 GHz | SRF (MHz) Min | RDC (Ω) Max | IDC (mA) Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BSCQ000603030N6□00 | 0.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | >24 | >32 | >54 | >57 | >65 | 10000 | 0.06 | 900 |
| BSCQ000603030N7□00 | 0.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | >24 | >32 | >54 | >57 | >65 | 10000 | 0.06 | 900 |
| BSCQ000603030N8□00 | 0.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | >24 | >32 | >54 | >57 | >65 | 10000 | 0.06 | 900 |
| BSCQ000603030N9□00 | 0.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | >24 | >32 | >54 | >57 | >65 | 10000 | 0.06 | 900 |
| BSCQ000603031N0□00 | 1.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 23 | 32 | 54 | 57 | 65 | 10000 | 0.07 | 850 |
| BSCQ000603031N1□00 | 1.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 22 | 26 | 45 | 47 | 55 | 10000 | 0.07 | 850 |
| BSCQ000603031N2□00 | 1.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 22 | 25 | 43 | 44 | 52 | 10000 | 0.08 | 800 |
| BSCQ000603031N3□00 | 1.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 25 | 40 | 42 | 47 | 10000 | 0.09 | 760 |
| BSCQ000603031N4□00 | 1.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 24 | 339 | 41 | 47 | 10000 | 0.12 | 640 |
| BSCQ000603031N5□00 | 1.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 24 | 39 | 41 | 46 | 10000 | 0.15 | 600 |
| BSCQ000603031N6□00 | 1.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 24 | 39 | 41 | 46 | 10000 | 0.19 | 510 |
| BSCQ000603031N7□00 | 1.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 24 | 39 | 41 | 46 | 10000 | 0.11 | 680 |
| BSCQ000603031N8□00 | 1.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 19 | 24 | 39 | 41 | 46 | 10000 | 0.12 | 640 |
| BSCQ000603031N9□00 | 1.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 18 | 24 | 38 | 40 | 45 | 10000 | 0.13 | 620 |
| BSCQ000603032N0□00 | 2.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 24 | 38 | 39 | 44 | 10000 | 0.15 | 600 |
| BSCQ000603032N1□00 | 2.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 24 | 37 | 39 | 44 | 10000 | 0.16 | 550 |
| BSCQ000603032N2□00 | 2.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 24 | 38 | 40 | 43 | 10000 | 0.20 | 500 |
| BSCQ000603032N3□00 | 2.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 24 | 37 | 39 | 43 | 10000 | 0.24 | 460 |
| BSCQ000603032N4□00 | 2.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 23 | 36 | 38 | 42 | 10000 | 0.26 | 430 |
| BSCQ000603032N5□00 | 2.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 23 | 35 | 36 | 40 | 10000 | 0.28 | 415 |
| BSCQ000603032N6□00 | 2.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 10000 | 0.30 | 405 |
| BSCQ000603032N7□00 | 2.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 10000 | 0.32 | 400 |
| BSCQ000603032N8□00 | 2.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 9500 | 0.20 | 500 |
| BSCQ000603032N9□00 | 2.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 9300 | 0.22 | 480 |
| BSCQ000603033N0□00 | 3.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 9100 | 0.24 | 460 |
| BSCQ000603033N1□00 | 3.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 35 | 39 | 8900 | 0.25 | 450 |
| BSCQ000603033N2□00 | 3.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 33 | 35 | 39 | 8700 | 0.28 | 415 |
| BSCQ000603033N3□00 | 3.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 18 | 23 | 34 | 36 | 40 | 8600 | 0.28 | 415 |
| BSCQ000603033N4□00 | 3.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 23 | 33 | 35 | 39 | 8400 | 0.29 | 410 |
| BSCQ000603033N5□00 | 3.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 17 | 23 | 33 | 35 | 39 | 8200 | 0.30 | 405 |
| BSCQ000603033N6□00 | 3.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 16 | 23 | 33 | 35 | 39 | 8100 | 0.32 | 400 |
| BSCQ000603033N7□00 | 3.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 16 | 23 | 33 | 35 | 38 | 8000 | 0.36 | 370 |
| BSCQ000603033N8□00 | 3.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 16 | 22 | 33 | 35 | 38 | 7800 | 0.40 | 355 |
| BSCQ000603033N9□00 | 3.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 16 | 22 | 33 | 35 | 38 | 7700 | 0.41 | 350 |

**Note: When ordering, please specify tolerance code. Tolerance : B=±0.1nH , C=±0.2nH , S=±0.3nH , H=±3% , J=±5%**

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- IDC：Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0.48nH
- Measure Equipment：

  L & Q：Agilent E4991A+Agilent 16197A

  SRF：Agilent E4991A or HP19196C

  RDC：HP4338B or CHEN HWA 502

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## Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Q Min | Test Freq. (MHz) | Q Typical 500 MHz | 800 MHz | 1.8 GHz | 2.0 GHz | 2.4 GHz | SRF (MHz) Min | RDC (Ω) Max | IDC (mA) Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BSCQ000603034N3□00 | 4.3 | ±0.2nH/±0.3nH | 14 | 500 | 16 | 21 | 32 | 34 | 37 | 6500 | 0.48 | 320 |
| BSCQ000603034N7□00 | 4.7 | ±0.2nH/±0.3nH | 14 | 500 | 16 | 22 | 33 | 35 | 38 | 6400 | 0.42 | 350 |
| BSCQ000603035N1□00 | 5.1 | ±0.2nH/±0.3nH | 14 | 500 | 17 | 22 | 34 | 36 | 38 | 6100 | 0.45 | 330 |
| BSCQ000603035N6□00 | 5.6 | ±0.2nH/±0.3nH | 14 | 500 | 16 | 21 | 33 | 34 | 37 | 5500 | 0.47 | 325 |
| BSCQ000603036N2□00 | 6.2 | ±0.2nH/±0.3nH | 14 | 500 | 18 | 23 | 34 | 35 | 37 | 5100 | 0.52 | 305 |
| BSCQ000603036N8□00 | 6.8 | 3 / 5 | 14 | 500 | 17 | 22 | 32 | 33 | 35 | 4800 | 0.55 | 305 |
| BSCQ000603037N5□00 | 7.5 | 3 / 5 | 14 | 500 | 16 | 21 | 31 | 33 | 34 | 4600 | 0.55 | 305 |
| BSCQ000603038N2□00 | 8.2 | 3 / 5 | 14 | 500 | 16 | 21 | 31 | 32 | 34 | 4300 | 0.57 | 290 |
| BSCQ000603039N1□00 | 9.1 | 3 / 5 | 14 | 500 | 16 | 20 | 30 | 31 | 32 | 4000 | 0.65 | 270 |
| BSCQ0006030310N□00 | 10 | 3 / 5 | 14 | 500 | 16 | 20 | 28 | 29 | 31 | 3800 | 0.85 | 230 |
| BSCQ0006030312N□00 | 12 | 3 / 5 | 12 | 500 | 16 | 20 | 27 | 28 | 28 | 3300 | 0.85 | 230 |
| BSCQ0006030315N□00 | 15 | 3 / 5 | 12 | 500 | 15 | 19 | 24 | 24 | 23 | 2600 | 0.89 | 220 |
| BSCQ0006030318N□00 | 18 | 3 / 5 | 12 | 500 | 15 | 19 | 23 | 24 | 22 | 2300 | 1.05 | 205 |
| BSCQ0006030322N□00 | 22 | 3 / 5 | 12 | 500 | 15 | 19 | 22 | 23 | 20 | 1900 | 1.29 | 190 |

**Note: When ordering, please specify tolerance code. Tolerance : B=±0.1nH , C=±0.2nH , S=±0.3nH , H=±3% , J=±5%**

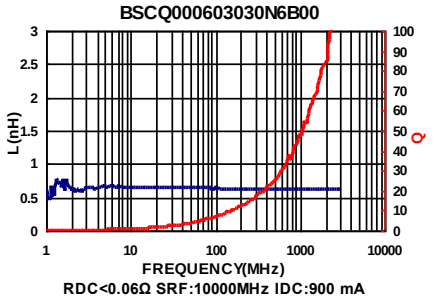
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- IDC：Applied the current to coils, the inductance shall be less than 10% initial value
- Residual impedance of short chip : 0.48nH
- Measure Equipment：

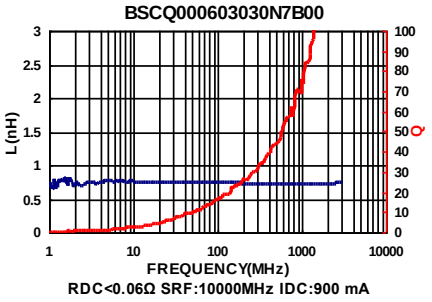
  L & Q：Agilent E4991A+Agilent 16197A

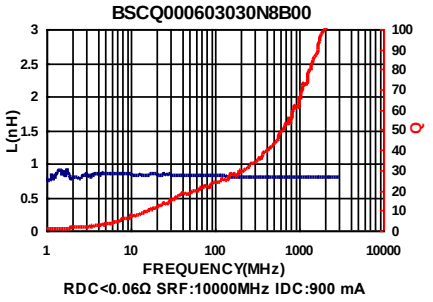
  SRF：Agilent E4991A or HP19196C

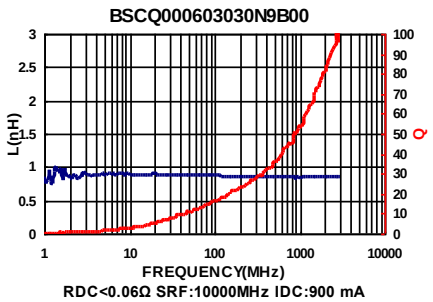
  RDC：HP4338B or CHEN HWA 502

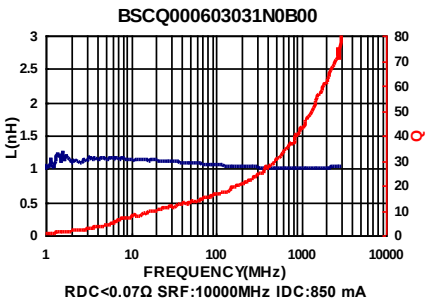
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

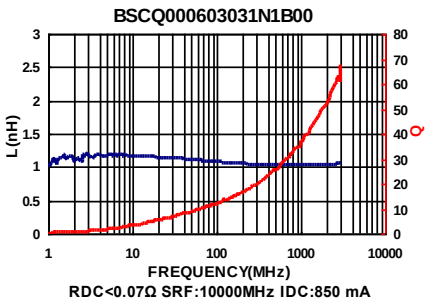


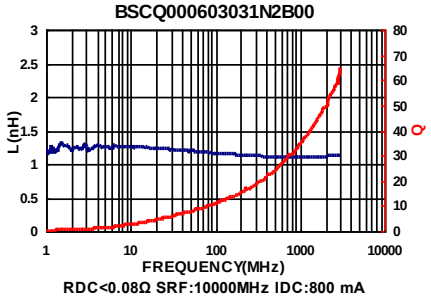

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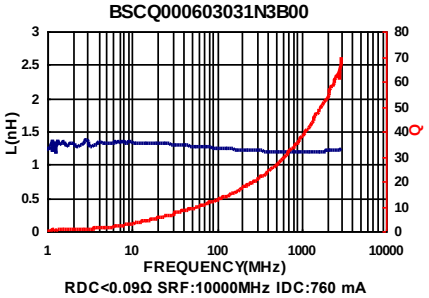
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

BSCQ000603031N2B00



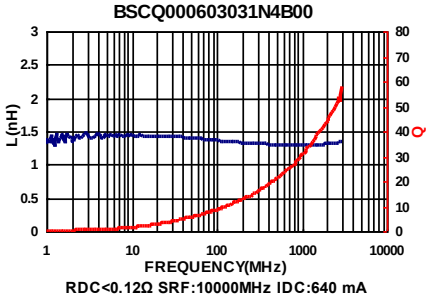

RDC<0.08Ω SRF:10000MHz IDC:800 mA

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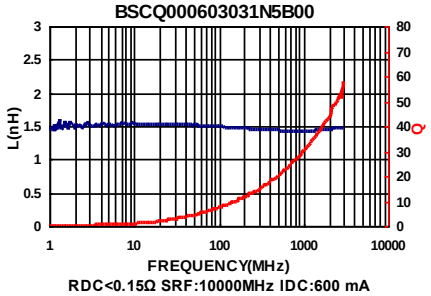

RDC<0.09Ω SRF:10000MHz IDC:760 mA

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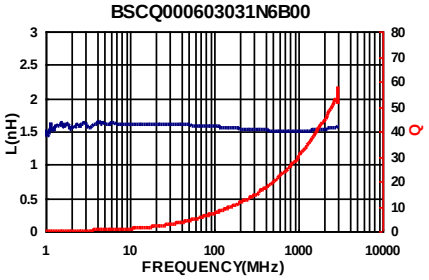

RDC<0.12Ω SRF:10000MHz IDC:640 mA

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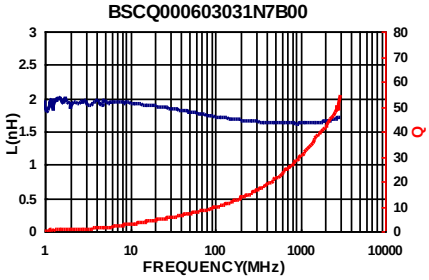

RDC<0.15Ω SRF:10000MHz IDC:600 mA

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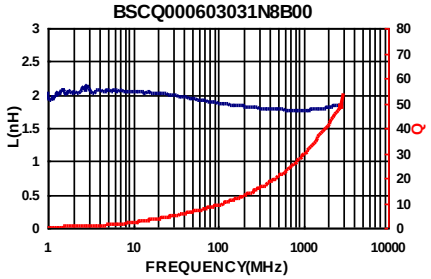

RDC<0.19Ω SRF:10000MHz IDC:510 mA

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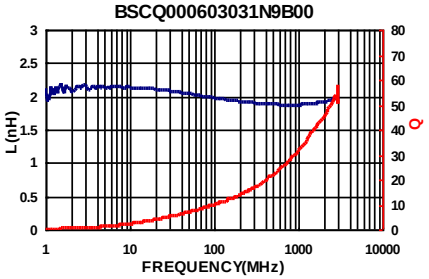

RDC<0.11Ω SRF:10000MHz IDC:680 mA

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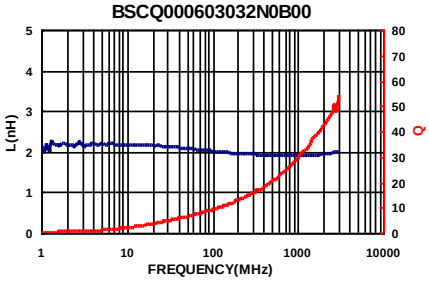

RDC<0.12Ω SRF:10000MHz IDC:640 mA

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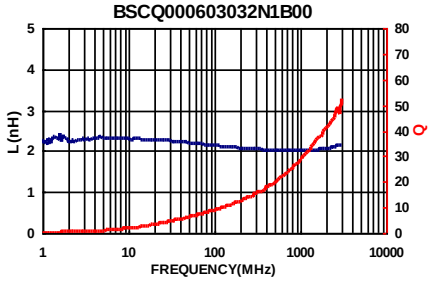

RDC<0.13Ω SRF:10000MHz IDC:620 mA

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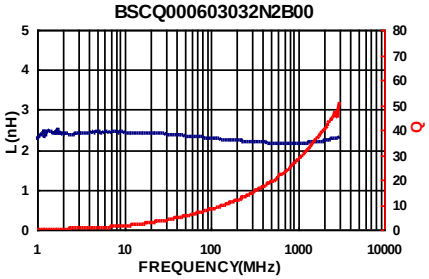

RDC<0.15Ω SRF:10000MHz IDC:600 mA

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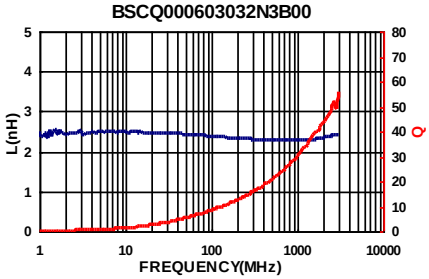

RDC<0.16Ω SRF:10000MHz IDC:550 mA

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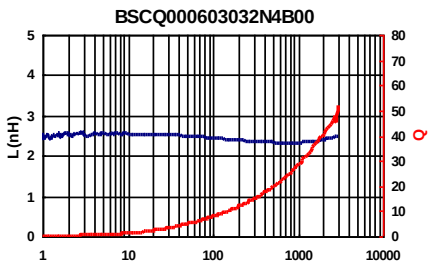

RDC<0.2Ω SRF:10000MHz IDC:500 mA

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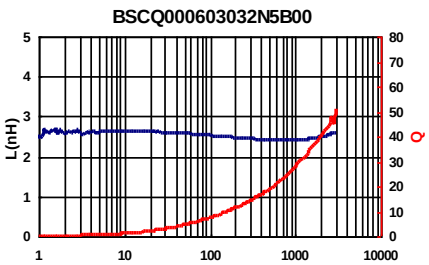

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BSCQ000603032N4B00



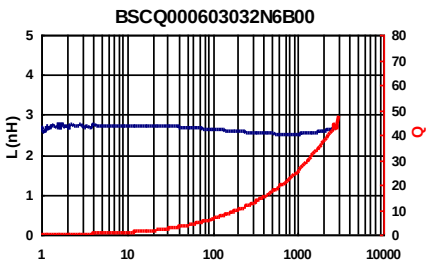

RDC<0.26Ω SRF:10000MHz IDC:430 mA

BSCQ000603032N5B00




RDC<0.28Ω SRF:10000MHz IDC:415 mA

BSCQ000603032N6B00




RDC<0.3Ω SRF:10000MHz IDC:405 mA

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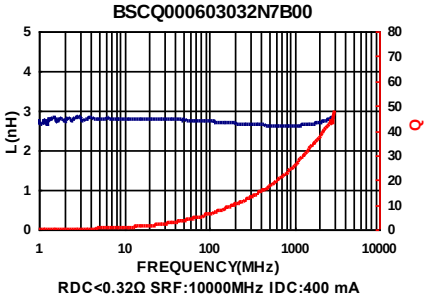
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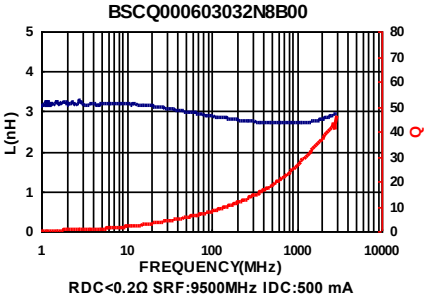
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

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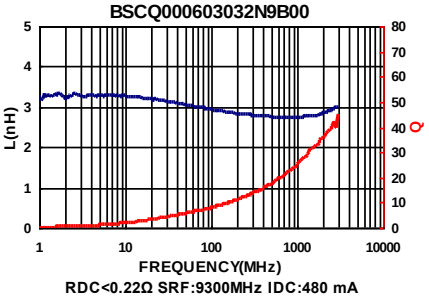

RDC<0.32Ω SRF:10000MHz IDC:400 mA

BSCQ000603032N8B00



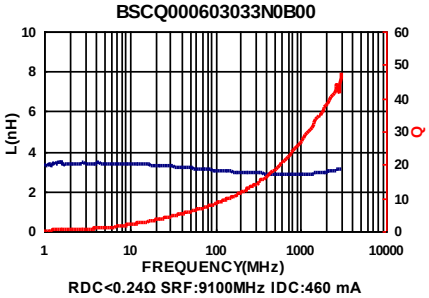

RDC<0.2Ω SRF:9500MHz IDC:500 mA

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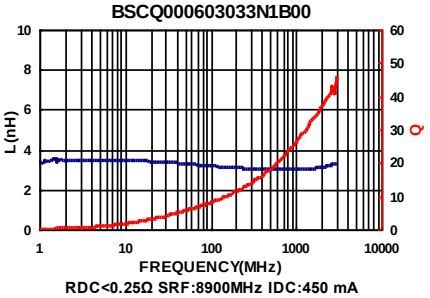

RDC<0.22Ω SRF:9300MHz IDC:480 mA

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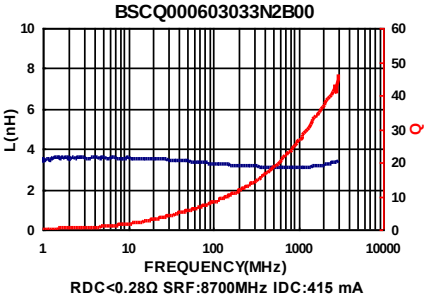

RDC<0.24Ω SRF:9100MHz IDC:460 mA

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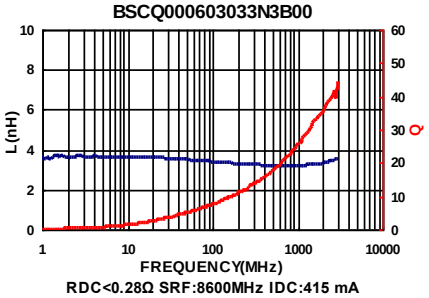

RDC<0.25Ω SRF:8900MHz IDC:450 mA

BSCQ000603033N2B00



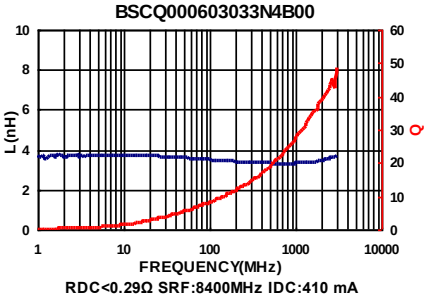

RDC<0.28Ω SRF:8700MHz IDC:415 mA

BSCQ000603033N3B00



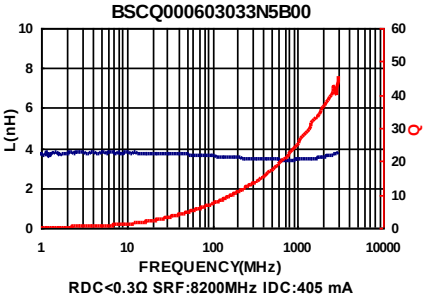

RDC<0.28Ω SRF:8600MHz IDC:415 mA

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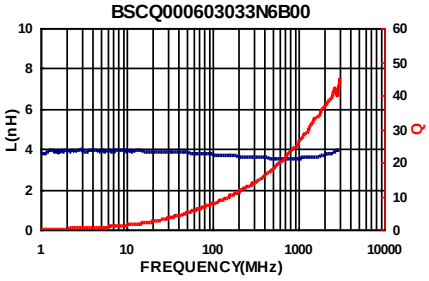

RDC<0.29Ω SRF:8400MHz IDC:410 mA

BSCQ000603033N5B00



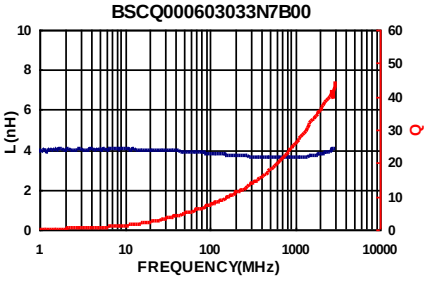

RDC<0.3Ω SRF:8200MHz IDC:405 mA

BSCQ000603033N6B00



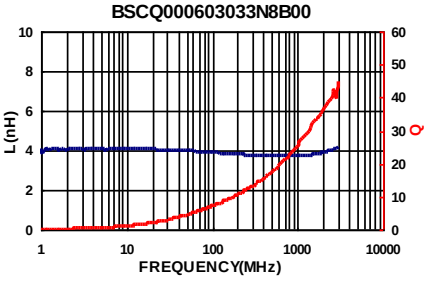

RDC<0.32Ω SRF:8100MHz IDC:400 mA

BSCQ000603033N7B00



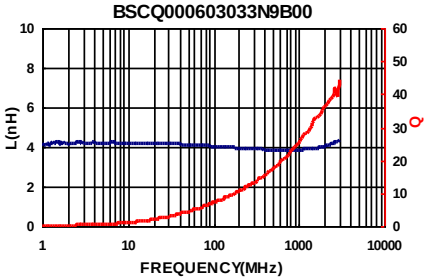

RDC<0.36Ω SRF:8000MHz IDC:370 mA

BSCQ000603033N8B00



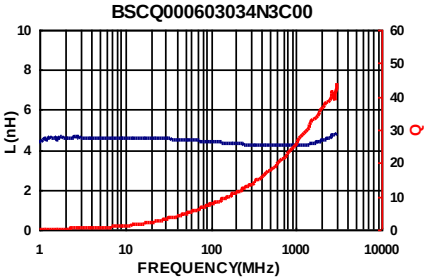

RDC<0.4Ω SRF:7800MHz IDC:355 mA

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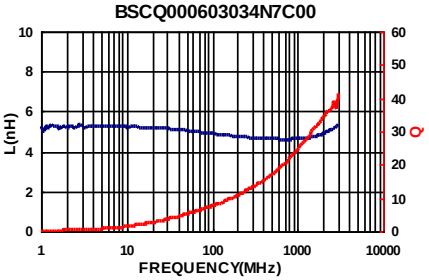

RDC<0.41Ω SRF:7700MHz IDC:350 mA

BSCQ000603034N3C00




RDC<0.48Ω SRF:6500MHz IDC:320 mA

BSCQ000603034N7C00




RDC<0.42Ω SRF:6400MHz IDC:350 mA

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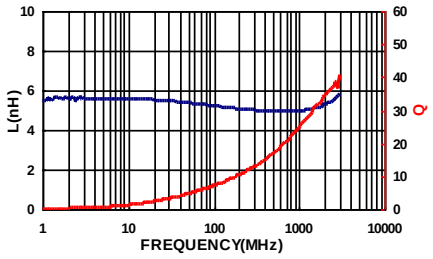
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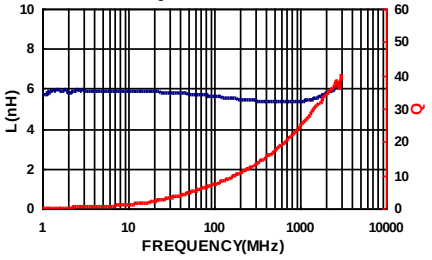
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

BSCQ000603035N1C00



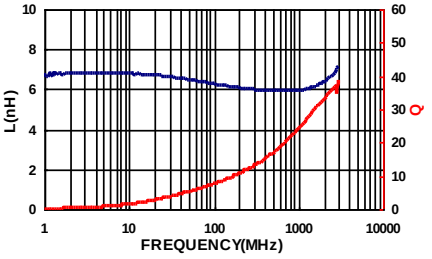

RDC<0.45Ω SRF:6100MHz IDC:330 mA

BSCQ000603035N6C00



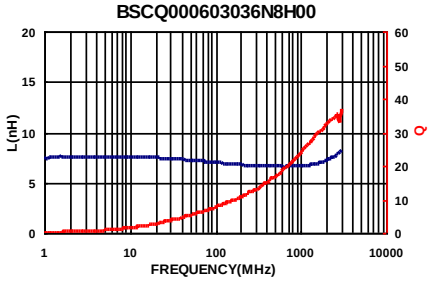

RDC<0.47Ω SRF:5500MHz IDC:325 mA

BSCQ000603036N2C00



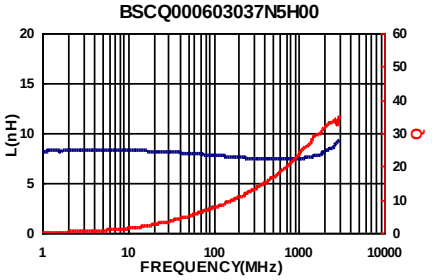

RDC<0.52Ω SRF:5100MHz IDC:305 mA

BSCQ000603036N8H00



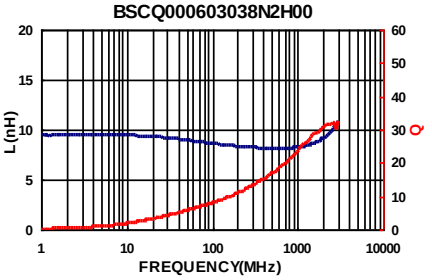

RDC<0.55Ω SRF:4800MHz IDC:305 mA

BSCQ000603037N5H00



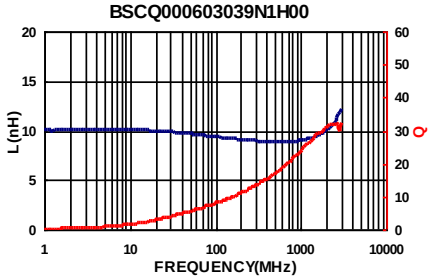

RDC<0.55Ω SRF:4600MHz IDC:305 mA

BSCQ000603038N2H00



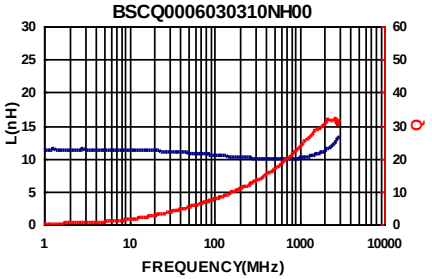

RDC<0.57Ω SRF:4300MHz IDC:290 mA

BSCQ000603039N1H00



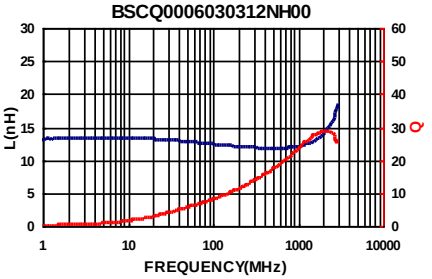

RDC<0.65Ω SRF:4000MHz IDC:270 mA

BSCQ0006030310NH00



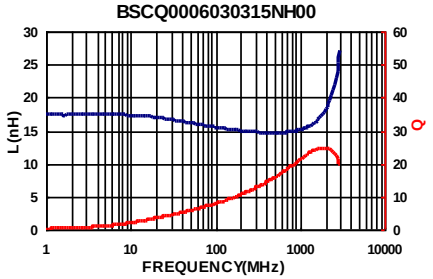

RDC<0.85Ω SRF:3800MHz IDC:230 mA

BSCQ0006030312NH00



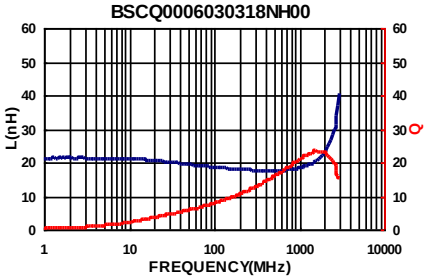

RDC<0.85Ω SRF:3300MHz IDC:230 mA

BSCQ0006030315NH00



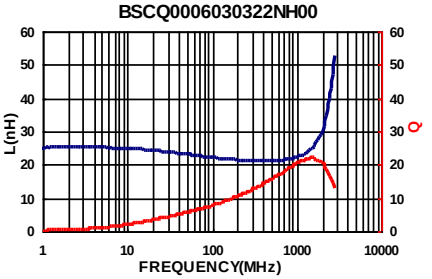

RDC<0.89Ω SRF:2600MHz IDC:220 mA

BSCQ0006030318NH00




RDC<1.05Ω SRF:2300MHz IDC:205 mA

BSCQ0006030322NH00




RDC<1.29Ω SRF:1900MHz IDC:190 mA

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## Electrical Characteristics

| Part Number | Inductance (nH) | Tolerance (±%) | Q Min | Test Frequency (MHz) | SRF (MHz) Min | RDC (Ω) Max | IDC (mA) Max |
|---|---|---|---|---|---|---|---|
| BSCQ000603030N1□HR | 0.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.06 | 900 |
| BSCQ000603030N2□HR | 0.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.06 | 900 |
| BSCQ000603030N3□HR | 0.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.06 | 900 |
| BSCQ000603030N4□HR | 0.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.06 | 900 |
| BSCQ000603030N5□HR | 0.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.07 | 850 |
| BSCQ000603030N6□HR | 0.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.07 | 850 |
| BSCQ000603030N7□HR | 0.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.08 | 800 |
| BSCQ000603030N8□HR | 0.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.09 | 760 |
| BSCQ000603030N9□HR | 0.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.12 | 640 |
| BSCQ000603031N0□HR | 1.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.15 | 600 |
| BSCQ000603031N1□HR | 1.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.19 | 510 |
| BSCQ000603031N2□HR | 1.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.11 | 680 |
| BSCQ000603031N3□HR | 1.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.12 | 640 |
| BSCQ000603031N4□HR | 1.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.13 | 620 |
| BSCQ000603031N5□HR | 1.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.15 | 600 |
| BSCQ000603031N6□HR | 1.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.16 | 550 |
| BSCQ000603031N7□HR | 1.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.20 | 500 |
| BSCQ000603031N8□HR | 1.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.24 | 460 |
| BSCQ000603031N9□HR | 1.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.26 | 430 |
| BSCQ000603032N0□HR | 2.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.28 | 415 |
| BSCQ000603032N1□HR | 2.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.30 | 405 |
| BSCQ000603032N2□HR | 2.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 10000 | 0.32 | 400 |
| BSCQ000603032N3□HR | 2.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 9500 | 0.20 | 500 |
| BSCQ000603032N4□HR | 2.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 9300 | 0.22 | 480 |
| BSCQ000603032N5□HR | 2.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 9100 | 0.24 | 460 |
| BSCQ000603032N6□HR | 2.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8900 | 0.25 | 450 |
| BSCQ000603032N7□HR | 2.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8700 | 0.28 | 415 |
| BSCQ000603032N8□HR | 2.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8600 | 0.28 | 415 |
| BSCQ000603032N9□HR | 2.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8400 | 0.29 | 410 |
| BSCQ000603033N0□HR | 3.0 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8200 | 0.30 | 405 |
| BSCQ000603033N1□HR | 3.1 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8100 | 0.32 | 400 |
| BSCQ000603033N2□HR | 3.2 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 8000 | 0.36 | 370 |

**Note: When ordering, please specify tolerance code. Tolerance : B=±0.1nH , C=±0.2nH , S=±0.3nH , H=±3% , J=±5%**

- Operating temperature range - 55℃ ~ 125℃(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：Agilent E4991A or HP19196C

  RDC：HP4338B or CHEN HWA 502

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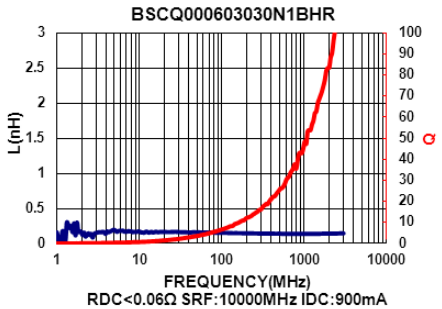
## Electrical Characteristics

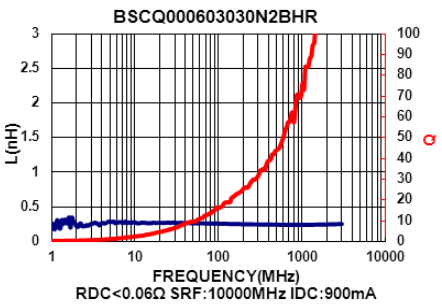
| Part Number | Inductance (nH) | Tolerance (±%) | Q Min | Test Frequency (MHz) | SRF (MHz) Min | RDC (Ω) Max | IDC (mA) Max |
|---|---|---|---|---|---|---|---|
| BSCQ000603033N3□HR | 3.3 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 7800 | 0.40 | 355 |
| BSCQ000603033N4□HR | 3.4 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 7700 | 0.41 | 350 |
| BSCQ000603033N5□HR | 3.5 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 7700 | 0.41 | 350 |
| BSCQ000603033N6□HR | 3.6 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 6500 | 0.48 | 320 |
| BSCQ000603033N7□HR | 3.7 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 6500 | 0.48 | 320 |
| BSCQ000603033N8□HR | 3.8 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 6500 | 0.48 | 320 |
| BSCQ000603033N9□HR | 3.9 | ±0.1nH/±0.2nH/±0.3nH | 14 | 500 | 6500 | 0.48 | 320 |
| BSCQ000603034N3□HR | 4.3 | ±0.2nH/±0.3nH | 14 | 500 | 6400 | 0.42 | 350 |
| BSCQ000603034N7□HR | 4.7 | ±0.2nH/±0.3nH | 14 | 500 | 6100 | 0.45 | 330 |
| BSCQ000603035N1□HR | 5.1 | ±0.2nH/±0.3nH | 14 | 500 | 5500 | 0.47 | 325 |
| BSCQ000603035N6□HR | 5.6 | ±0.2nH/±0.3nH | 14 | 500 | 5100 | 0.52 | 305 |
| BSCQ000603036N2□HR | 6.2 | ±0.2nH/±0.3nH | 14 | 500 | 4800 | 0.55 | 305 |
| BSCQ000603036N8□HR | 6.8 | 3 / 5 | 14 | 500 | 4600 | 0.55 | 305 |
| BSCQ000603037N5□HR | 7.5 | 3 / 5 | 14 | 500 | 4300 | 0.57 | 290 |
| BSCQ000603038N2□HR | 8.2 | 3 / 5 | 14 | 500 | 4000 | 0.65 | 270 |
| BSCQ000603039N1□HR | 9.1 | 3 / 5 | 14 | 500 | 3800 | 0.85 | 230 |
| BSCQ0006030310N□HR | 10 | 3 / 5 | 14 | 500 | 3800 | 0.85 | 230 |
| BSCQ0006030312N□HR | 12 | 3 / 5 | 12 | 500 | 3300 | 0.85 | 230 |
| BSCQ0006030315N□HR | 15 | 3 / 5 | 12 | 500 | 2600 | 0.89 | 220 |
| BSCQ0006030318N□HR | 18 | 3 / 5 | 12 | 500 | 2300 | 1.05 | 205 |
| BSCQ0006030322N□HR | 22 | 3 / 5 | 12 | 500 | 1900 | 1.29 | 190 |

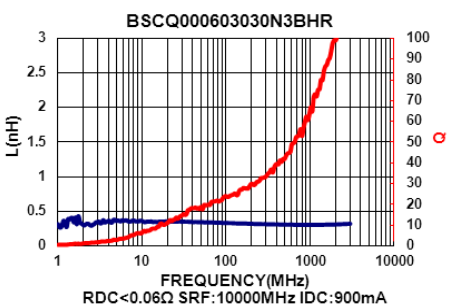
**Note: When ordering, please specify tolerance code. Tolerance : B=±0.1nH , C=±0.2nH , S=±0.3nH , H=±3% , J=±5%**

- Operating temperature range - 55℃ ~ 125℃(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：Agilent E4991A or HP19196C
  RDC：HP4338B or CHEN HWA 502

**Test Instruments**：Agilent E4991A Material/Impedance Analyzer



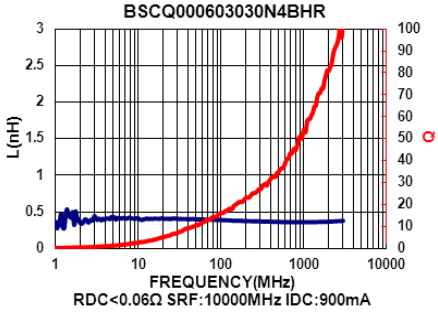

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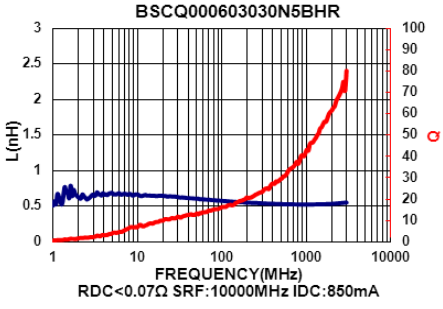
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

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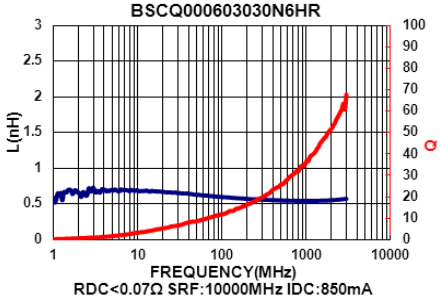

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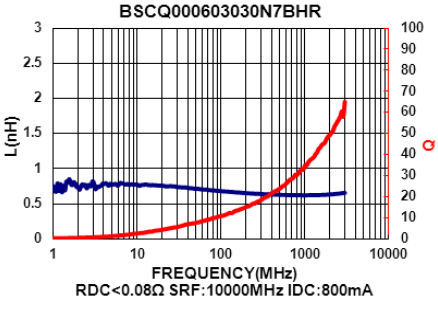

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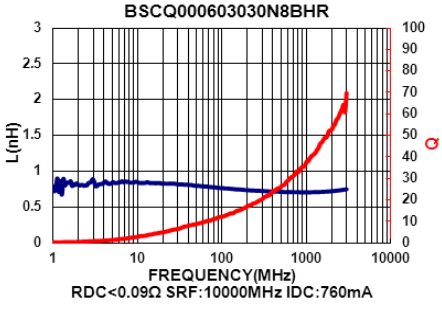

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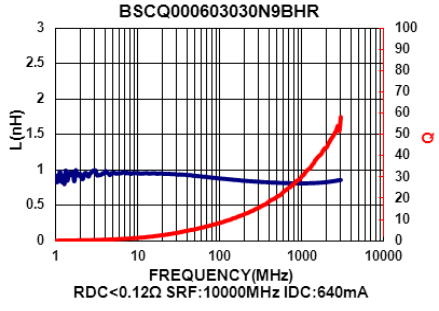

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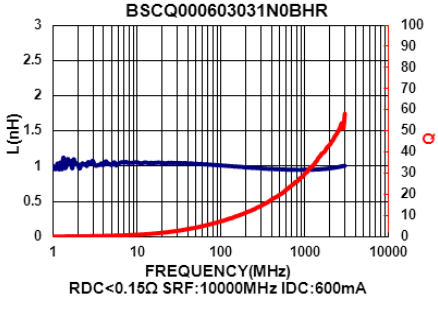

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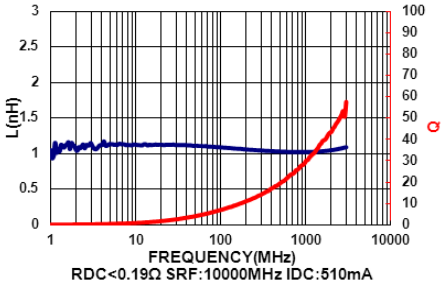

RDC<0.12Ω SRF:10000MHz IDC:640mA

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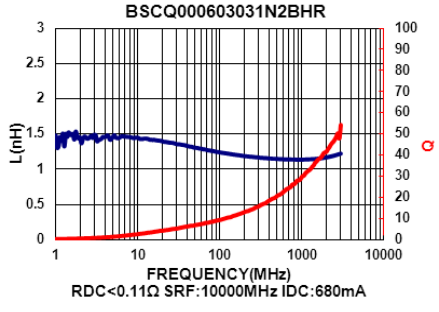

RDC<0.15Ω SRF:10000MHz IDC:600mA

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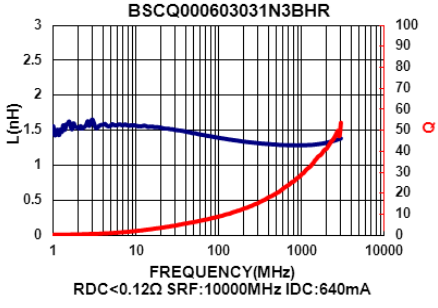

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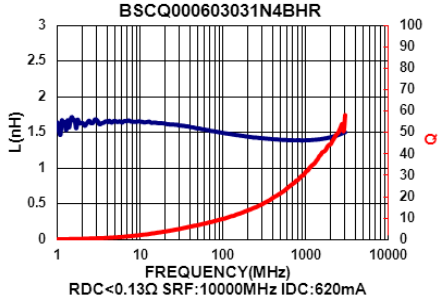

RDC<0.11Ω SRF:10000MHz IDC:680mA

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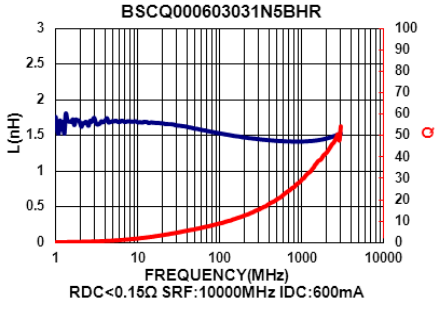

RDC<0.12Ω SRF:10000MHz IDC:640mA

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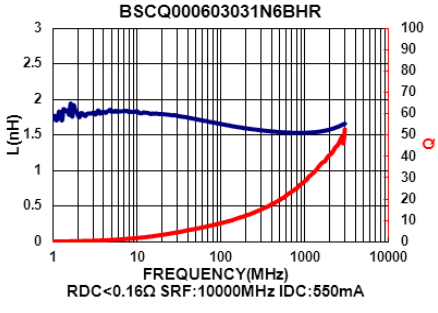

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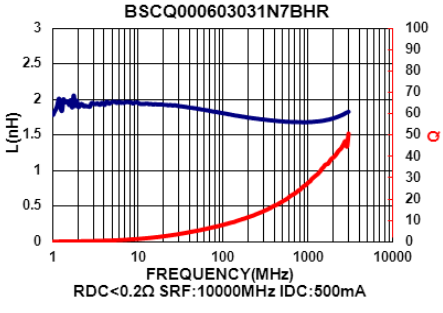

RDC<0.15Ω SRF:10000MHz IDC:600mA

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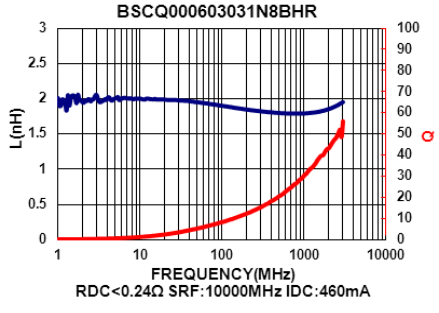

RDC<0.16Ω SRF:10000MHz IDC:550mA

BSCQ000603031N7BHR




RDC<0.2Ω SRF:10000MHz IDC:500mA

BSCQ000603031N8BHR




RDC<0.24Ω SRF:10000MHz IDC:460mA

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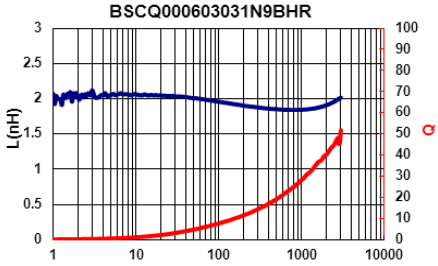
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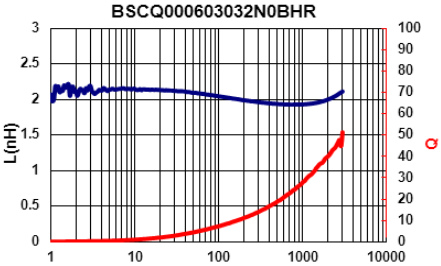
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

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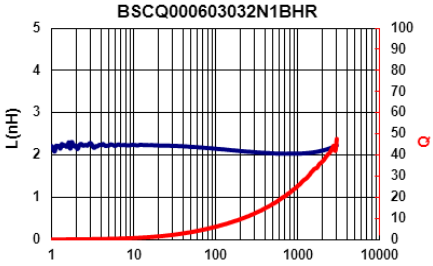

RDC<0.26Ω SRF:10000MHz IDC:430mA

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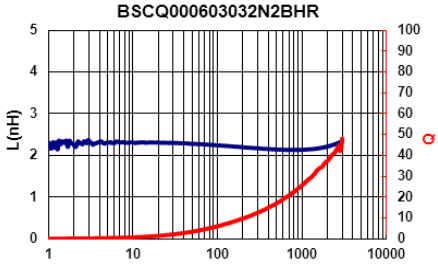

RDC<0.28Ω SRF:10000MHz IDC:415mA

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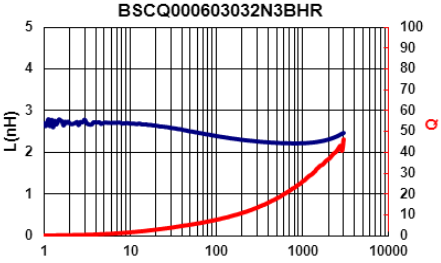

RDC<0.3Ω SRF:10000MHz IDC:405mA

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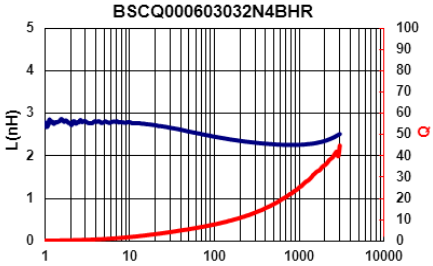

RDC<0.32Ω SRF:10000MHz IDC:400mA

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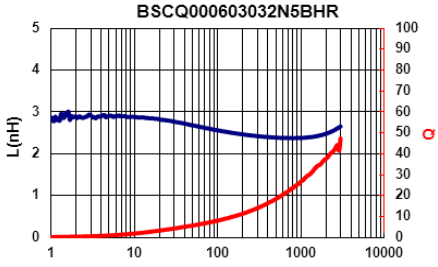

RDC<0.2Ω SRF:9500MHz IDC:500mA

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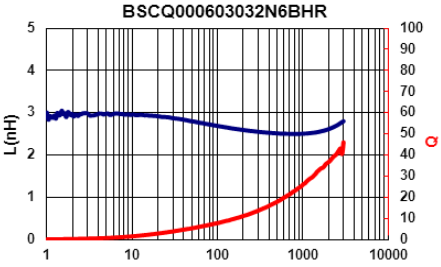

RDC<0.22Ω SRF:9300MHz IDC:480mA

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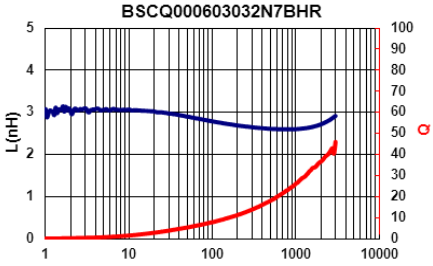

RDC<0.24Ω SRF:9100MHz IDC:460mA

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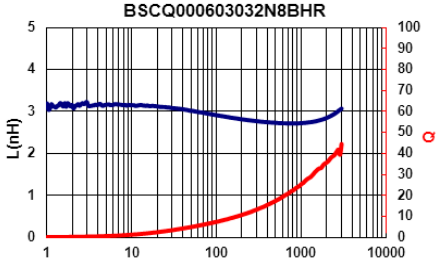

RDC<0.25Ω SRF:8900MHz IDC:450mA

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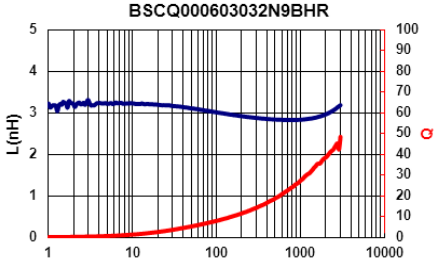

RDC<0.28Ω SRF:8700MHz IDC:415mA

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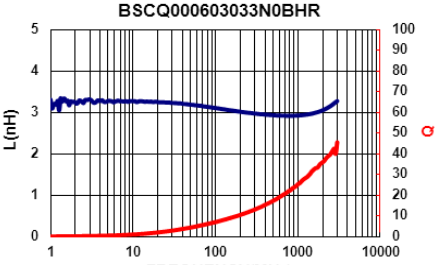

RDC<0.28Ω SRF:8600MHz IDC:415mA

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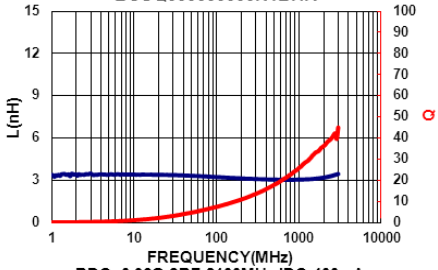

RDC<0.29Ω SRF:8400MHz IDC:410mA

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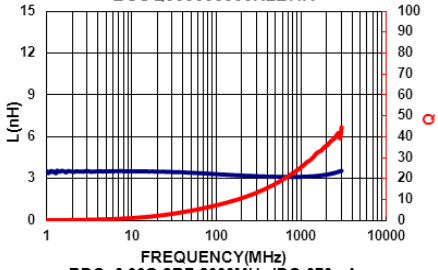

RDC<0.3Ω SRF:8200MHz IDC:405mA

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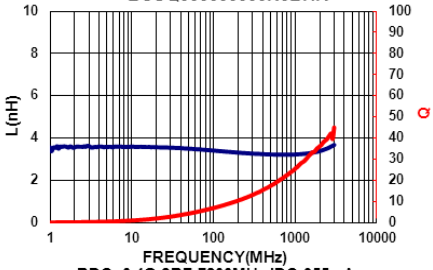

RDC<0.32Ω SRF:8100MHz IDC:400mA

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RDC<0.36Ω SRF:8000MHz IDC:370mA

BSCQ000603033N3BHR




RDC<0.4Ω SRF:7800MHz IDC:355mA

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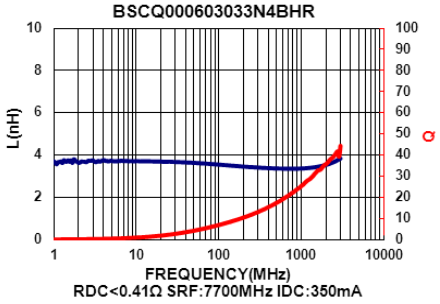
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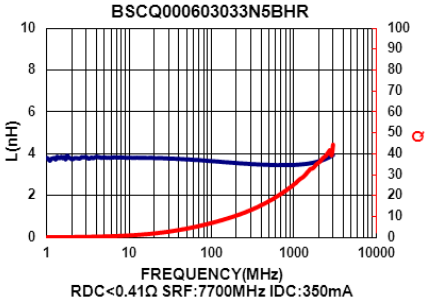
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer

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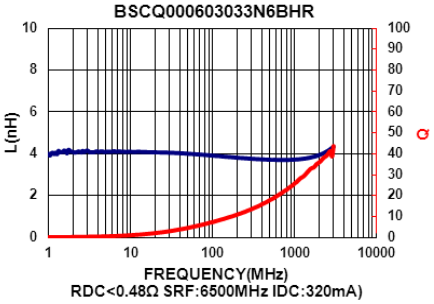

RDC<0.41Ω SRF:7700MHz IDC:350mA

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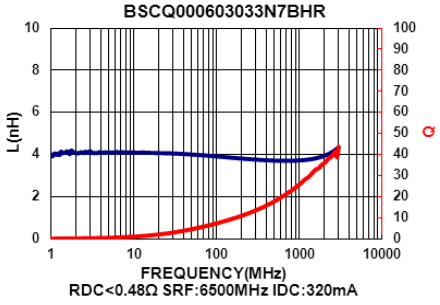

RDC<0.41Ω SRF:7700MHz IDC:350mA

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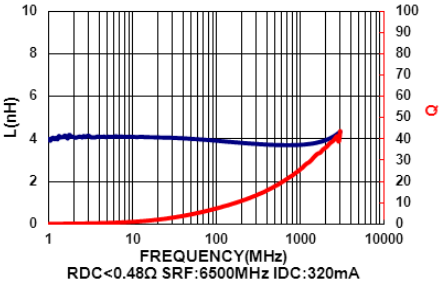

RDC<0.48Ω SRF:6500MHz IDC:320mA)

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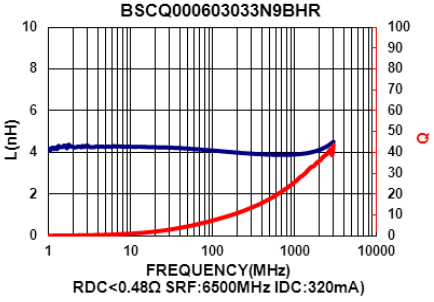

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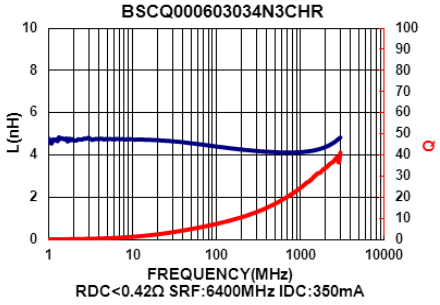

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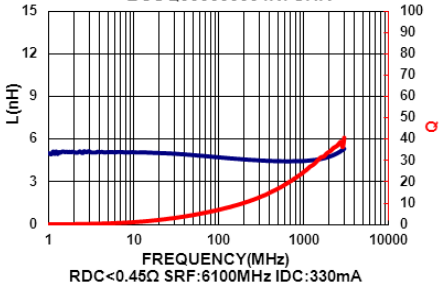

RDC<0.48Ω SRF:6500MHz IDC:320mA)

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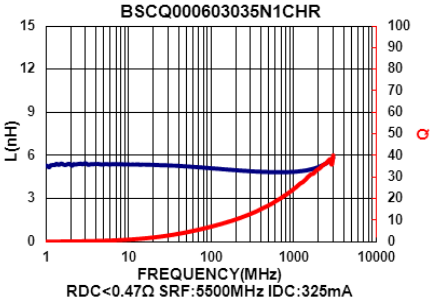

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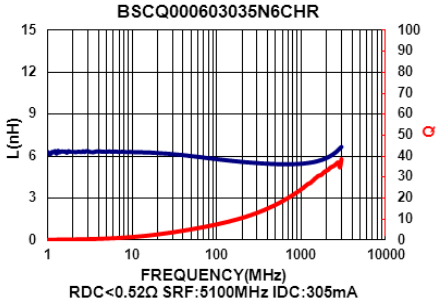

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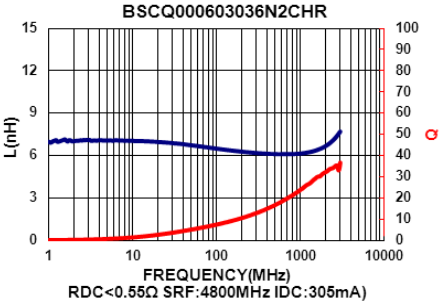

RDC<0.47Ω SRF:5500MHz IDC:325mA

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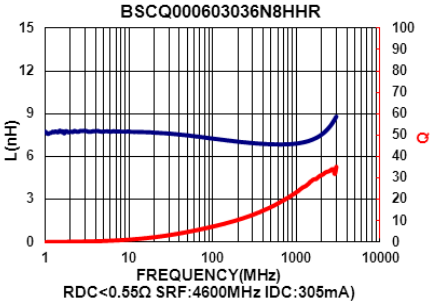

RDC<0.52Ω SRF:5100MHz IDC:305mA

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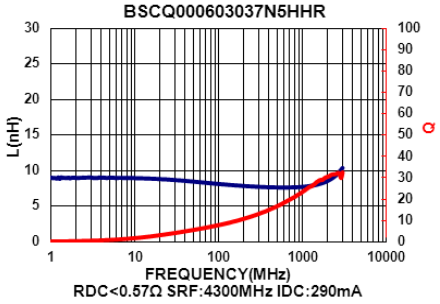

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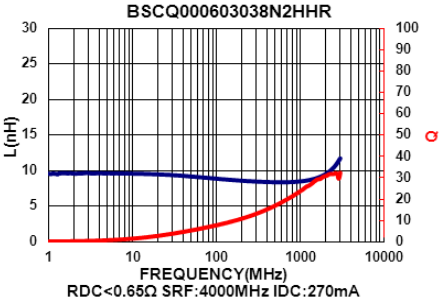

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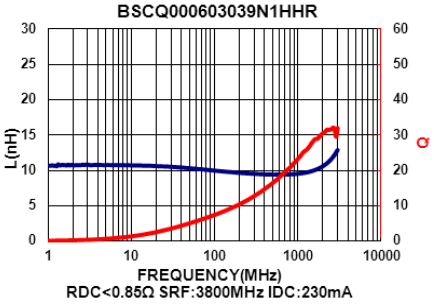

RDC<0.57Ω SRF:4300MHz IDC:290mA

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RDC<0.65Ω SRF:4000MHz IDC:270mA

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RDC<0.85Ω SRF:3800MHz IDC:230mA

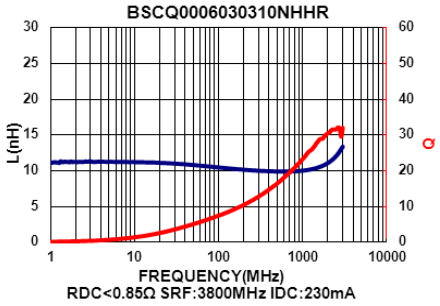
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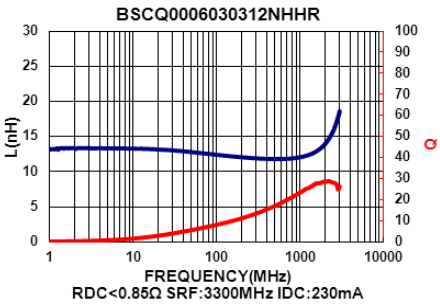
Pulse a YAGEO company

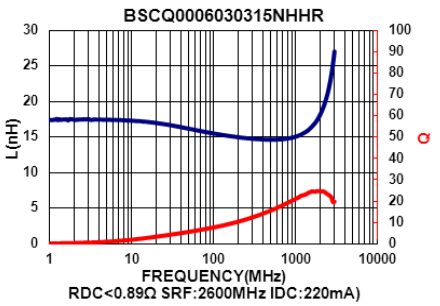
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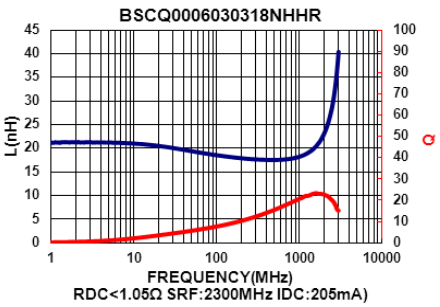
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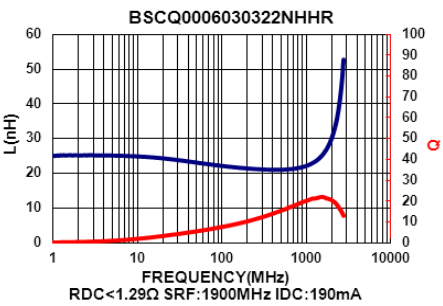
**Test Instruments**：Agilent E4991A Material/Impedance Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

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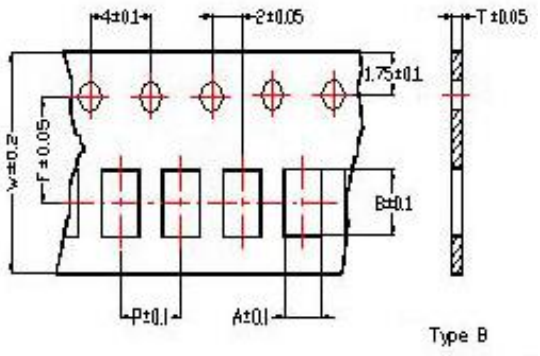
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## Packaging Specifications

### Tape Dimensions

Figure A




### Tape Material

Figure A

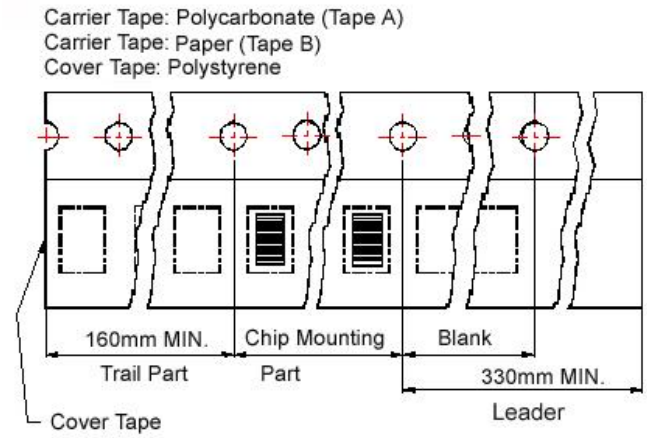
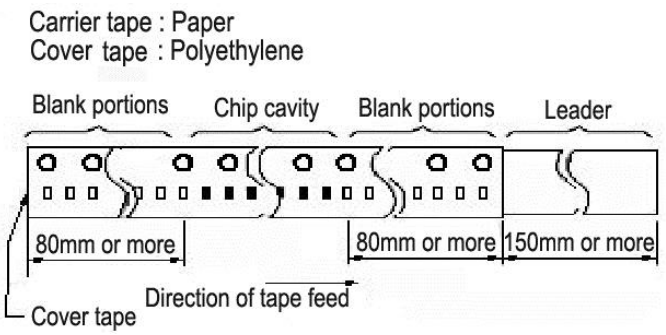
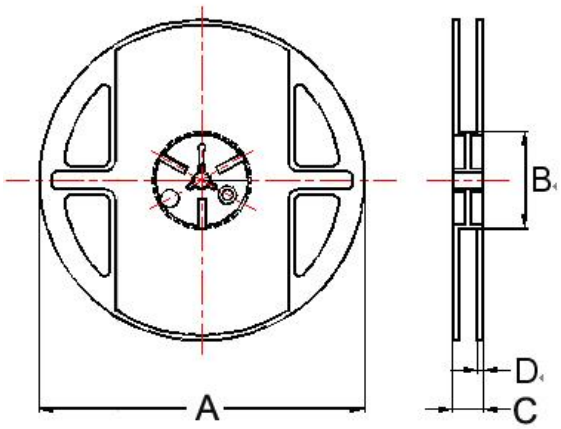



Figure B




**Dimensions in mm**

| TYPE | Tape Dimensions | | | | | | | Tape | Reel Dimensions | | | | Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | T | W | P | F | Tape | Material | A | B | C | D | PCS / Reel |
| BSCQ00060303 | 0.37 | 0.67 | 0.42 | 8 | 2 | 3.5 | A | B | 180 | 60 | 13 | 1.5 | 15000 |

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