

BWCU_02 Series For USB 2.0, IEEE1394b, LVDS Applications



A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications. Both standard series and custom designs are available.

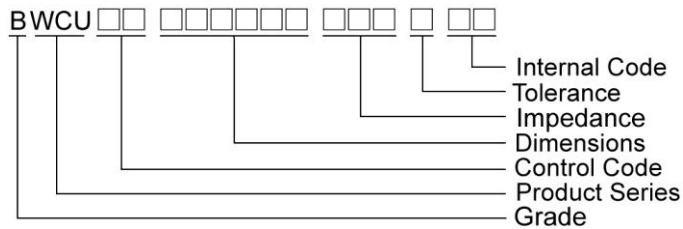
Features

- RoHS Compliant
- Miniature SMD type common mode filter for fully automated assembly
- Wide impedance range (30Ω ~ 2200Ω) for noise suppression
- Excellent solderability

Applications

- USB line for personal computers and peripheral
- IEEE 1394 line for personal computers, DVC, STB
- LVDS, panel line for liquid display panels, graph card, etc.

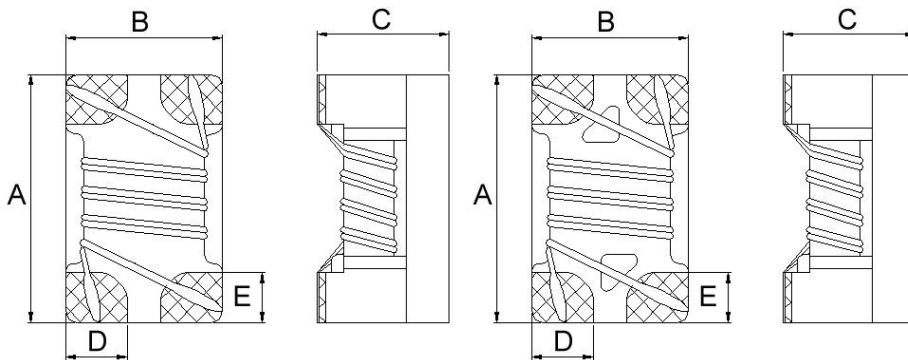
Product Identification



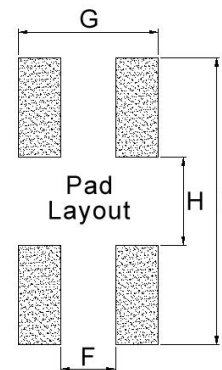
Shape and Dimensions

BWCU00160811/ 121008/ 321619

BWCU00201212



Recommended Pattern

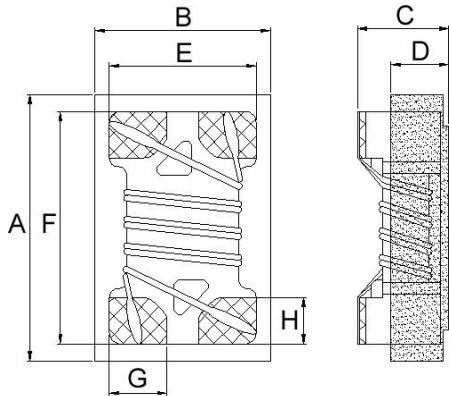


Dimensions in mm

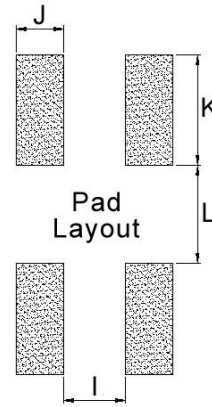
| TYPE | A | B | C | D | E | F | G | H | I |
|--------------|----------|----------|----------|------|------|------|------|------|------|
| BWCU00160811 | 1.60±0.2 | 0.80±0.2 | 1.10±0.2 | 0.25 | 0.33 | 0.25 | 0.75 | 0.61 | 2.29 |
| BWCU00121008 | 1.25±0.2 | 1.00±0.2 | 0.8±0.1 | 0.32 | 0.33 | 0.36 | 1.00 | 0.59 | 1.75 |
| BWCU00201212 | 2.05±0.2 | 1.25±0.2 | 1.20±0.2 | 0.50 | 0.50 | 0.40 | 1.27 | 1.1 | 2.60 |
| BWCU00321619 | 3.20±0.2 | 1.60±0.2 | 1.90±0.2 | 0.50 | 0.60 | 0.40 | 1.60 | 1.60 | 3.70 |

Shape and Dimensions

BWCU00231512



Recommended Pattern



Dimensions in mm

| TYPE | A | B | C | D | E | F | G | H | I | J | K | L |
|--------------|--------------------|--------------------|--------------------|-----|------|------|-----|------|-----|------|-----|-----|
| BWCU00231512 | 2.29 ⁺⁰ | 1.52 ⁺⁰ | 1.20 ⁺⁰ | 0.5 | 1.27 | 2.03 | 0.5 | 0.40 | 0.5 | 0.38 | 0.9 | 0.8 |

SMD Common Mode Choke – BWCU_02 Series

Electrical Characteristics

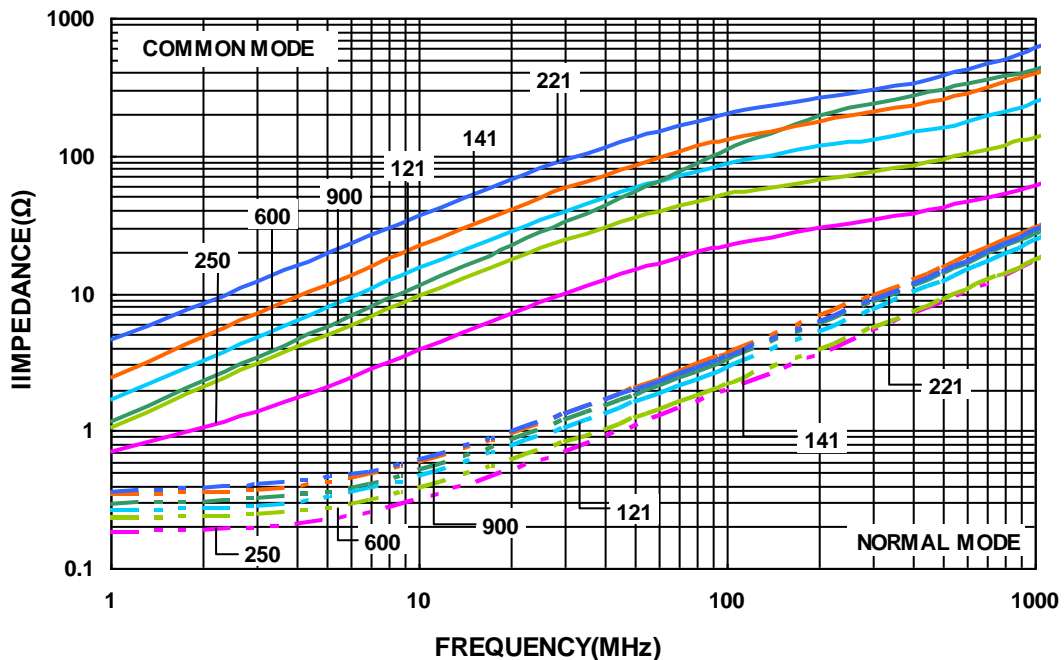
| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | I _{rms} (mA) Max | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|---------------------------|---------------------|-------------------------|--------------------------------|
| BWCU00160811250□02 | 25 | 20,25 | 100 | 0.077 | 500 | 50 | 125 | 10 |
| BWCU00160811600□02 | 60 | 20,25 | 100 | 0.109 | 500 | 50 | 125 | 10 |
| BWCU00160811900□02 | 90 | 20,25 | 100 | 0.142 | 500 | 50 | 125 | 10 |
| BWCU00160811121□02 | 120 | 20,25 | 100 | 0.160 | 500 | 50 | 125 | 10 |
| BWCU00160811141□02 | 140 | 20,25 | 100 | 0.174 | 500 | 50 | 125 | 10 |
| BWCU00160811221□02 | 220 | 20,25 | 100 | 0.209 | 500 | 50 | 125 | 10 |

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , Y=±25%

- Operating temperature range – 40°C ~ 105°C (Including self - temperature rise)
- rms for 20°C rise from 25°C ambient
- Measure Equipment :
 Z : Agilent HP4287A+Agilent 16197A
 RDC : HP4338B or Chroma 16502 (Single Wire Test Value)
 I_{rms} : HP4284A+HP42841A/HP4285A+HP42841A
 Insulation Resistance : Agilent HP4339B

Test Instruments : HP4287A Material/Impedance Analyzer

Typical Impedance vs. Frequency



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.

SMD Common Mode Choke – BWCU_02 Series

Electrical Characteristics

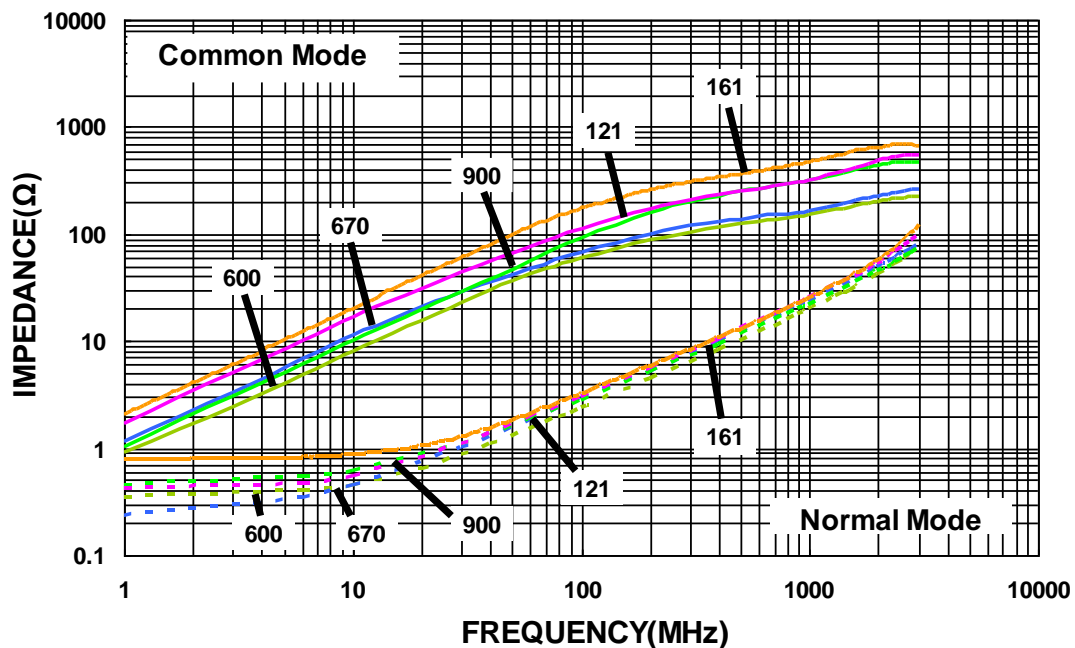
| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|----------|---------------------|-------------------------|--------------------------------|
| BWCU00121008250T02 | 25 | 30 | 100 | 0.30 | 400 | 50 | 125 | 100 |
| BWCU00121008600M02 | 60 | 20 | 100 | 0.40 | 300 | 50 | 125 | 100 |
| BWCU00121008670M02 | 67 | 20 | 100 | 0.25 | 300 | 50 | 125 | 100 |
| BWCU00121008900M02 | 90 | 20 | 100 | 0.30 | 250 | 50 | 125 | 100 |
| BWCU00121008121M02 | 120 | 20 | 100 | 0.40 | 200 | 50 | 125 | 100 |
| BWCU00121008161M02 | 160 | 20 | 100 | 0.43 | 160 | 50 | 125 | 100 |
| BWCU00121008201M02 | 200 | 20 | 100 | 0.80 | 120 | 50 | 125 | 100 |
| BWCU00121008331Y02 | 330 | 25 | 100 | 1.30 | 100 | 50 | 125 | 100 |

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , Y=±25% , T=±30%

- Operating temperature range – 40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current
- Measure Equipment :
 Z : Agilent HP4287A+Agilent 16197A
 RDC : Chroma 16502 (Single Wire Test Value)
 IDC : HP4284A+HP42841A/HP4285A+HP42841A
 Insulation Resistance : Agilent HP4339B

Test Instruments : HP4287A Material/Impedance Analyzer

Typical Impedance vs. Frequency



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.

SMD Common Mode Choke – BWCU_02 Series

Electrical Characteristics

| Part Number | Impedance (Ω) | Tolerance ($\pm\%$) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (M Ω) Min |
|--------------------|---------------------------|--------------------------|----------------------------|-------------------------|-------------|---------------------------|-------------------------------|---|
| BWCU00201212300□02 | 30 | 20,25 | 100 | 0.20 | 450 | 50 | 125 | 10 |
| BWCU00201212670□02 | 67 | 20,25 | 100 | 0.25 | 400 | 50 | 125 | 10 |
| BWCU00201212750□02 | 75 | 20,25 | 100 | 0.30 | 360 | 50 | 125 | 10 |
| BWCU00201212900□02 | 90 | 20,25 | 100 | 0.35 | 330 | 50 | 125 | 10 |
| BWCU00201212121□02 | 120 | 20,25 | 100 | 0.30 | 400 | 50 | 125 | 10 |
| BWCU00201212161□02 | 160 | 20,25 | 100 | 0.35 | 350 | 50 | 125 | 10 |
| BWCU00201212181□02 | 180 | 20,25 | 100 | 0.35 | 330 | 50 | 125 | 10 |
| BWCU00201212201□02 | 200 | 20,25 | 100 | 0.35 | 330 | 50 | 125 | 10 |
| BWCU00201212221□02 | 220 | 20,25 | 100 | 0.35 | 310 | 50 | 125 | 10 |
| BWCU00201212261□02 | 260 | 20,25 | 100 | 0.40 | 300 | 50 | 125 | 10 |
| BWCU00201212301□02 | 300 | 20,25 | 100 | 0.40 | 290 | 50 | 125 | 10 |
| BWCU00201212361□02 | 360 | 20,25 | 100 | 0.45 | 280 | 50 | 125 | 10 |
| BWCU00201212371□02 | 370 | 20,25 | 100 | 0.45 | 280 | 50 | 125 | 10 |
| BWCU00201212391□02 | 390 | 20,25 | 100 | 0.45 | 280 | 50 | 125 | 10 |
| BWCU00201212491□02 | 490 | 20,25 | 100 | 0.55 | 170 | 50 | 125 | 10 |
| BWCU00201212501□02 | 500 | 20,25 | 100 | 0.55 | 170 | 50 | 125 | 10 |
| BWCU00201212671□02 | 670 | 20,25 | 100 | 0.60 | 140 | 50 | 125 | 10 |
| BWCU00201212801□02 | 800 | 20,25 | 100 | 0.88 | 300 | 50 | 125 | 10 |
| BWCU00201212901□02 | 900 | 20,25 | 100 | 0.60 | 80 | 50 | 125 | 10 |
| BWCU00201212921□02 | 920 | 20,25 | 100 | 0.75 | 80 | 50 | 125 | 10 |
| BWCU00201212102□02 | 1000 | 20,25 | 100 | 0.8 | 150 | 50 | 125 | 10 |
| BWCU00201212202□02 | 2000 | 20,25 | 100 | 2.2 | 150 | 50 | 125 | 10 |

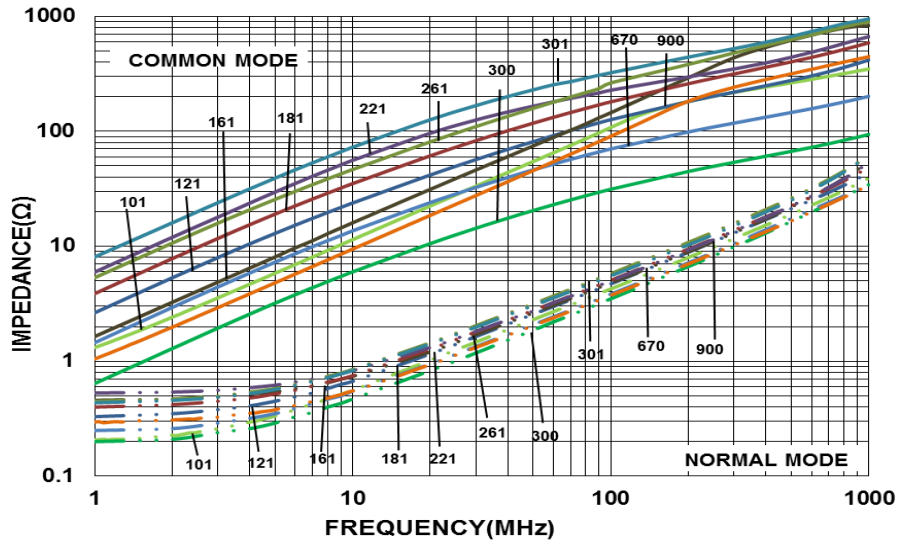
Note: When ordering, please specify tolerance code. Tolerance: M \pm 20% / Y \pm 25%

- Operating temperature range – 40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current
- Measure Equipment :
 - Z : Agilent HP4287A+Agilent 16197A
 - RDC : Chroma 16502 (Single Wire Test Value)
 - IDC : HP4284A+HP42841A/HP4285A+HP42841A
 - Insulation Resistance : Agilent HP4339B

SMD Common Mode Choke – BWCU_02 Series

Test Instruments : HP4291A Material/Impedance Analyzer

Typical Impedance vs. Frequency



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.

SMD Common Mode Choke – BWCU_02 Series

Electrical Characteristics

Electrical Characteristics

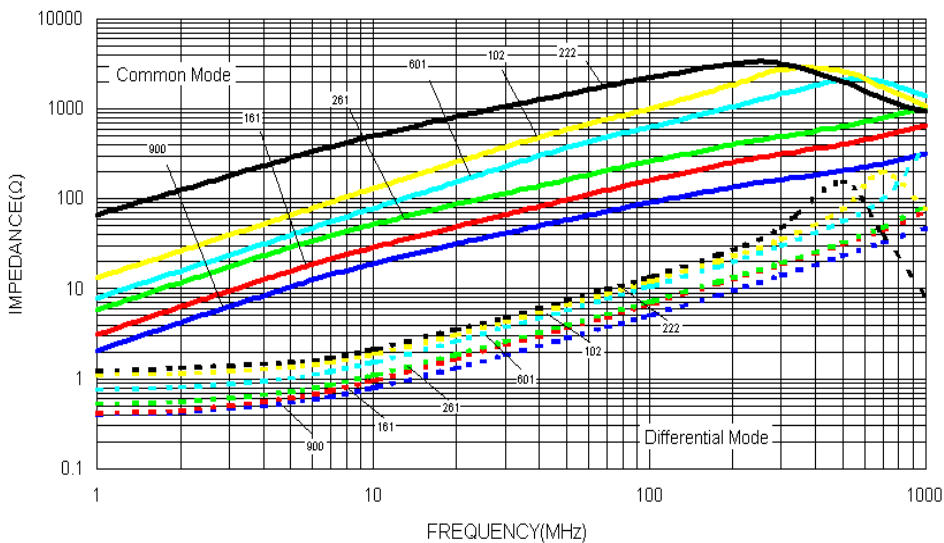
| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|----------|---------------------|-------------------------|--------------------------------|
| BWCU00321619900□02 | 90 | 20,25 | 100 | 0.3 | 370 | 50 | 125 | 10 |
| BWCU00321619121□02 | 120 | 20,25 | 100 | 0.3 | 370 | 50 | 125 | 10 |
| BWCU00321619161□02 | 160 | 20,25 | 100 | 0.4 | 340 | 50 | 125 | 10 |
| BWCU00321619171□02 | 170 | 20,25 | 100 | 0.4 | 330 | 50 | 125 | 10 |
| BWCU00321619221□02 | 220 | 20,25 | 100 | 0.4 | 320 | 50 | 125 | 10 |
| BWCU00321619261□02 | 260 | 20,25 | 100 | 0.5 | 310 | 50 | 125 | 10 |
| BWCU00321619401□02 | 400 | 20,25 | 100 | 0.5 | 300 | 50 | 125 | 10 |
| BWCU00321619401□02 | 400 | 20,25 | 100 | 0.5 | 300 | 50 | 125 | 10 |
| BWCU00321619601□02 | 600 | 20,25 | 100 | 0.8 | 260 | 50 | 125 | 10 |
| BWCU00321619102□02 | 1000 | 20,25 | 100 | 1.0 | 230 | 50 | 125 | 10 |
| BWCU00321619222□02 | 2200 | 20,25 | 100 | 1.2 | 200 | 50 | 125 | 10 |

Note: When ordering, please specify tolerance code. Tolerance: M=±20% / Y=±25%

- Operating temperature range –40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current
- Measure Equipment :
 - Z : Agilent HP4287A+Agilent 16197A
 - RDC : Chroma 16502 (Single Wire Test Value)
 - IDC : HP4284A+HP42841A/HP4285A+HP42841A
 - Insulation Resistance : Agilent HP4339B

Test Instruments : HP4291A Material/Impedance Analyzer

Typical Impedance vs. Frequency



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.

SMD Common Mode Choke – BWCU Series

Electrical Characteristics

| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|----------|---------------------|-------------------------|--------------------------------|
| BWCU00231512300M02 | 30 | 20 | 100 | 0.20 | 1300 | 50 | 125 | 10 |
| BWCU00231512420M02 | 42 | 20 | 100 | 0.20 | 1300 | 50 | 125 | 10 |
| BWCU00231512670M02 | 67 | 20 | 100 | 0.25 | 1200 | 50 | 125 | 10 |
| BWCU00231512900M02 | 90 | 20 | 100 | 0.27 | 1000 | 50 | 125 | 10 |
| BWCU00231512121M02 | 120 | 20 | 100 | 0.30 | 900 | 50 | 125 | 10 |
| BWCU00231512181M02 | 180 | 20 | 100 | 0.40 | 700 | 50 | 125 | 10 |
| BWCU00231512261M02 | 260 | 20 | 100 | 0.60 | 700 | 50 | 125 | 10 |

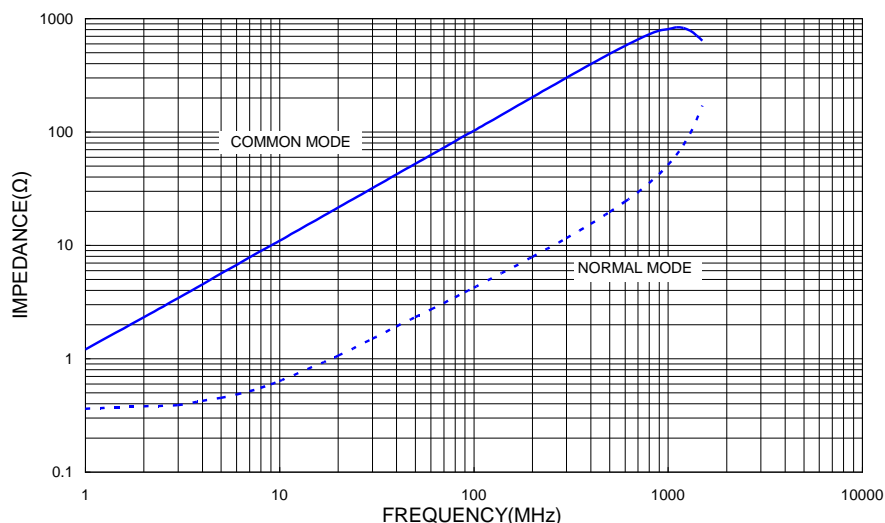
Note: When ordering, please specify tolerance code. Tolerance: M=±20%

- Operating temperature range –40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current.
- Measure Equipment :
 Z : Agilent HP4291A
 RDC : HP4338B or Chroma 16502 (Single Wire Test Value)
 IDC : HP4284A+HP42841A/HP4285A+HP42841A
 Insulation Resistance : Agilent HP4339B

Test Instruments : HP4291A Material/Impedance Analyzer

Typical Impedance vs. Frequency

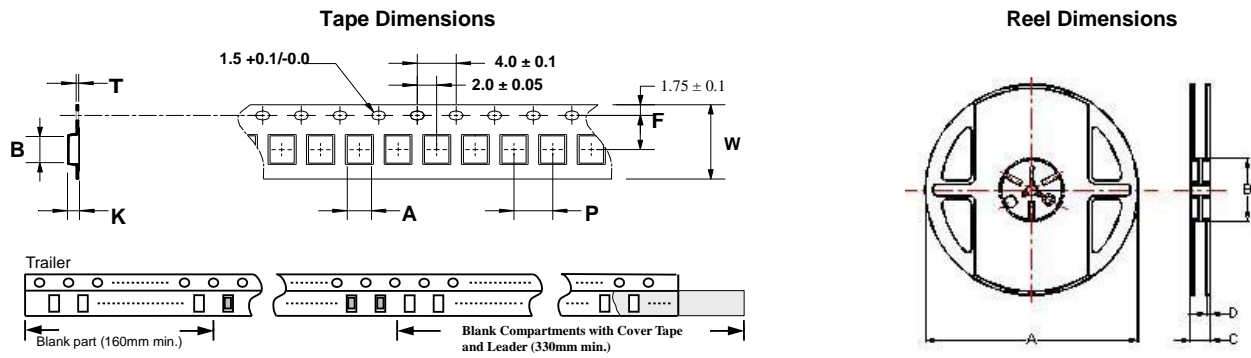
BWCU00231512900M02



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.

SMD Common Mode Choke – BWCU_02 Series

Packaging Specifications



Dimensions in mm

| TYPE | Tape Dimensions | | | | | | | Reel Dimensions | | | | Quantity PCS / Reel |
|--------------|-----------------|------|------|---|---|-----|------|-----------------|----|----|-----|------------------------|
| | A | B | T | W | P | F | K | A | B | C | D | |
| BWCU00160811 | 0.95 | 1.70 | 0.24 | 8 | 4 | 3.5 | 1.15 | 178 | 60 | 12 | 1.5 | 2000 |
| BWCU00121008 | 1.15 | 1.45 | 0.24 | 8 | 4 | 3.5 | 1.00 | 178 | 60 | 12 | 1.5 | 2000 |
| BWCU00201212 | 1.50 | 2.25 | 0.24 | 8 | 4 | 3.5 | 1.35 | 178 | 60 | 12 | 1.5 | 2000 |
| BWCU00231512 | 1.60 | 2.42 | 0.26 | 8 | 4 | 3.5 | 1.14 | 178 | 60 | 12 | 1.5 | 2000 |
| BWCU00321619 | 1.76 | 3.47 | 0.22 | 8 | 4 | 3.5 | 2.05 | 178 | 60 | 12 | 1.5 | 2000 |

SMD Common Mode Choke – BWCU_03 Series

Electrical Characteristics

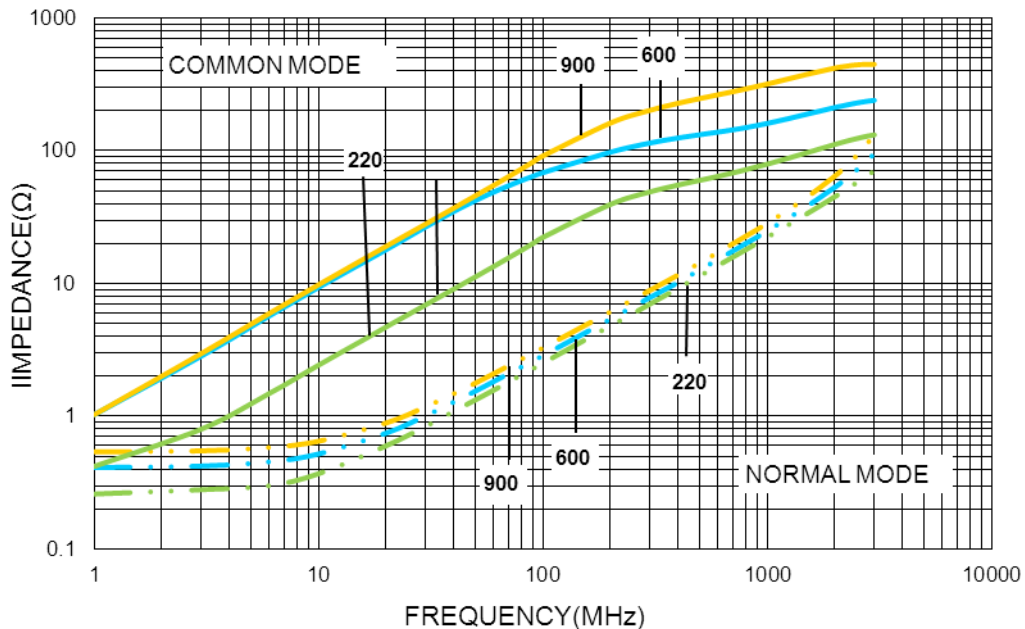
| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) Max | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|--------------|---------------------|-------------------------|--------------------------------|
| BWCU00121008150□03 | 15 | 20,25 | 100 | 0.18 | 420 | 50 | 125 | 100 |
| BWCU00121008220□03 | 22 | 20,25 | 100 | 0.20 | 400 | 50 | 125 | 100 |
| BWCU00121008350□03 | 35 | 20,25 | 100 | 0.23 | 350 | 50 | 125 | 100 |
| BWCU00121008400□03 | 40 | 20,25 | 100 | 0.25 | 350 | 50 | 125 | 100 |
| BWCU00121008450□03 | 45 | 20,25 | 100 | 0.27 | 300 | 50 | 125 | 100 |
| BWCU00121008600□03 | 60 | 20,25 | 100 | 0.40 | 250 | 50 | 125 | 100 |
| BWCU00121008800□03 | 80 | 20,25 | 100 | 0.30 | 250 | 50 | 125 | 100 |
| BWCU00121008900□03 | 90 | 20,25 | 100 | 0.30 | 250 | 50 | 125 | 100 |

Note: When ordering, please specify tolerance code. Tolerance: M=±20% / Y=±25%

- Operating temperature range – 40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current.
- Measure Equipment :
 Z : HP4286A/HP4287A/Agilent E4991A+Agilent16197A
 RDC : Chroma 16502 (Single Wire Test Value)
 IDC : HP4284A+HP42841A/HP4285A+HP42841A
 Insulation Resistance : Agilent HP4339B

Test Instruments : HP4291A Material/Impedance Analyzer

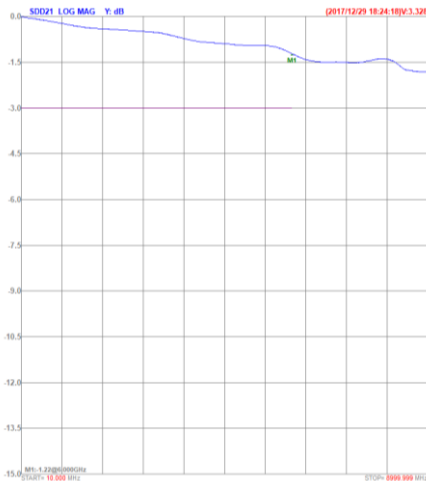
Typical Impedance vs. Frequency



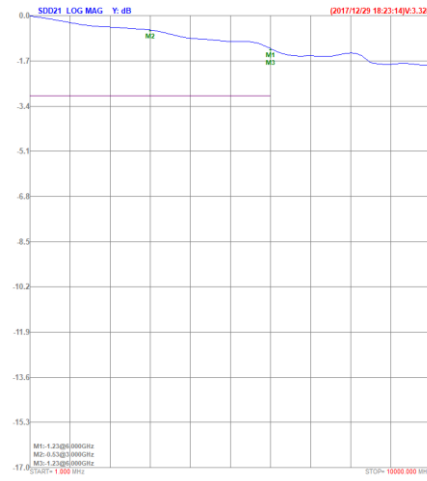
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00121008220Y03

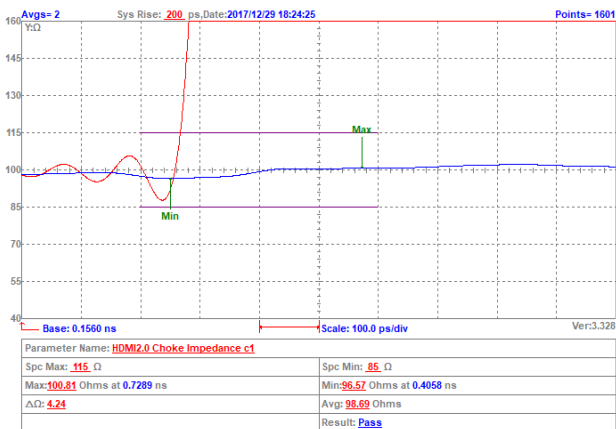
Insertion Loss For HDMI2.0 Testing:



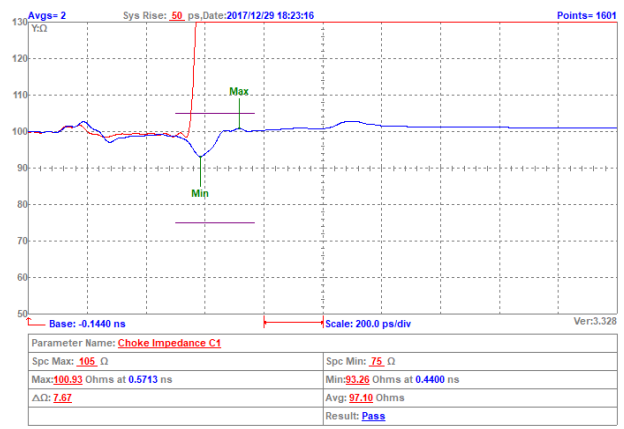
Insertion Loss For USB3.0 Testing:



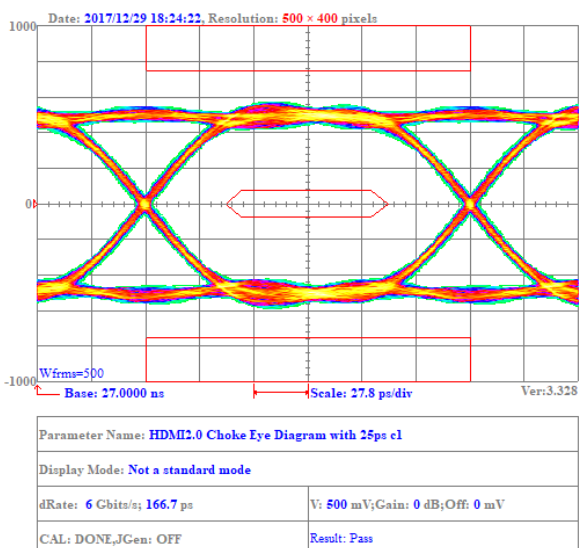
TDR For HDMI2.0 Testing:



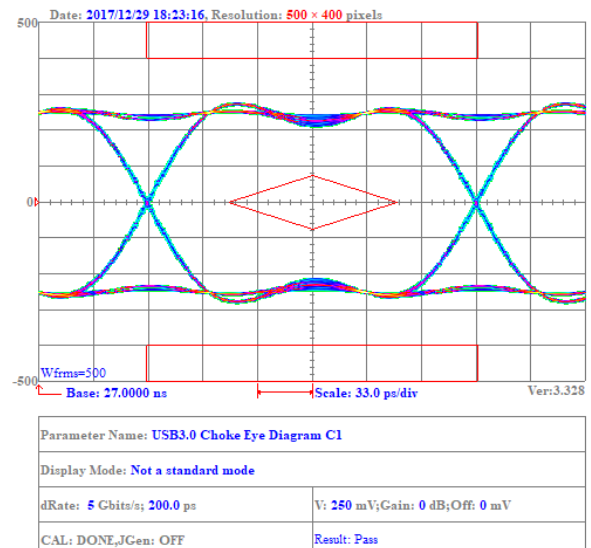
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



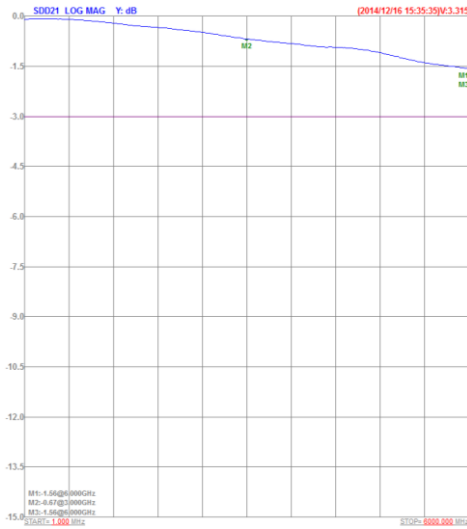
Eye Diagram For USB3.0 Testing:



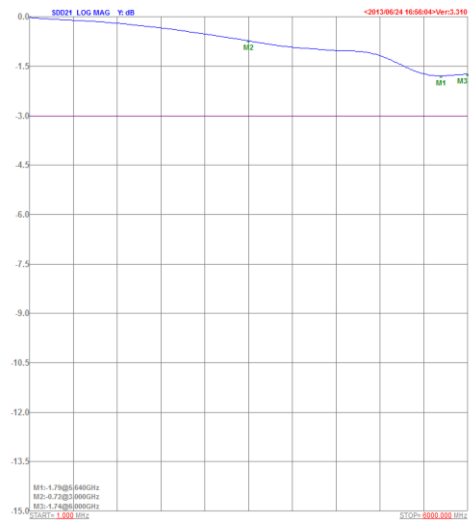
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00121008600Y03

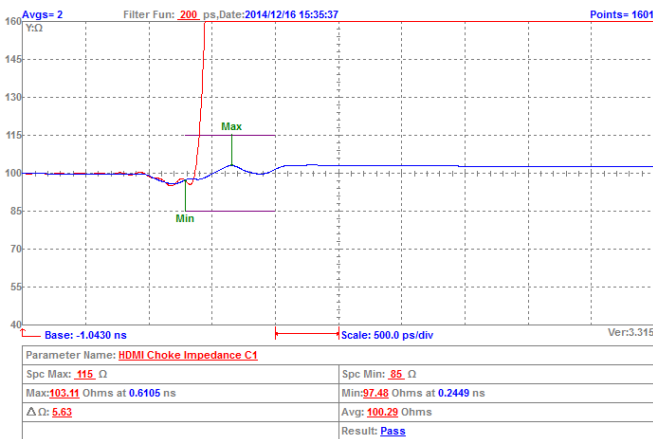
Insertion Loss For HDMI2.0 Testing:



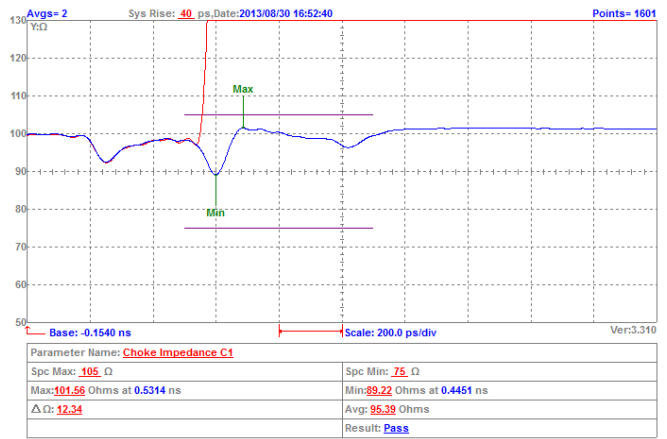
Insertion Loss For USB3.0 Testing:



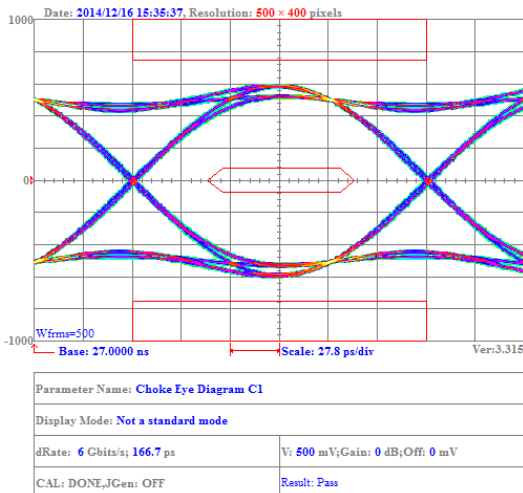
TDR For HDMI2.0 Testing:



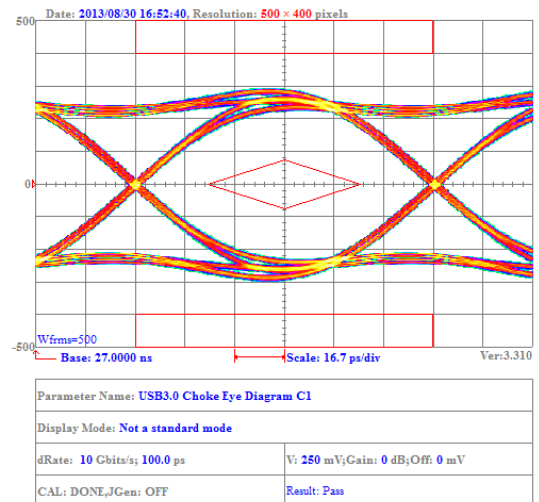
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



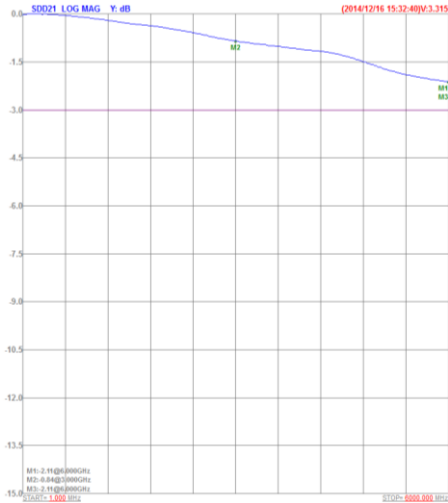
Eye Diagram For USB3.0 Testing:



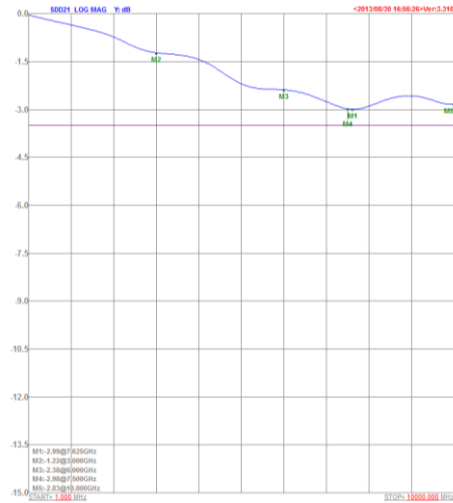
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00121008900Y03

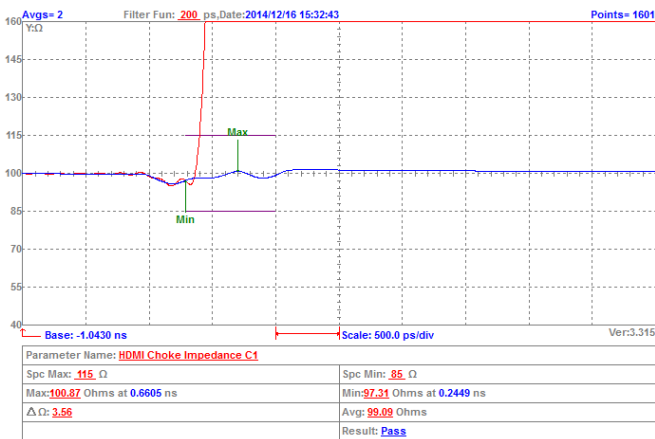
Insertion Loss For HDMI2.0 Testing:



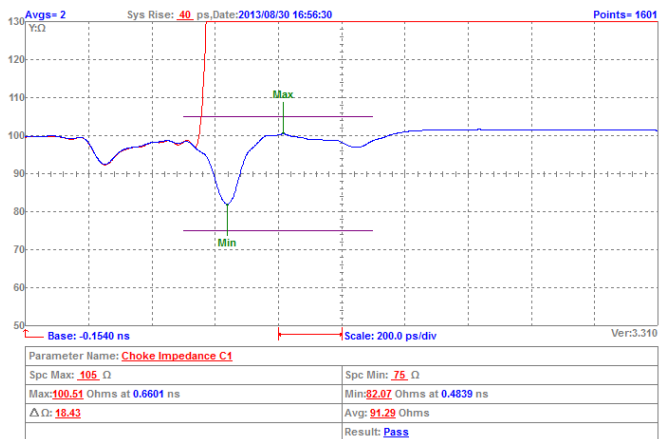
Insertion Loss For USB3.0 Testing:



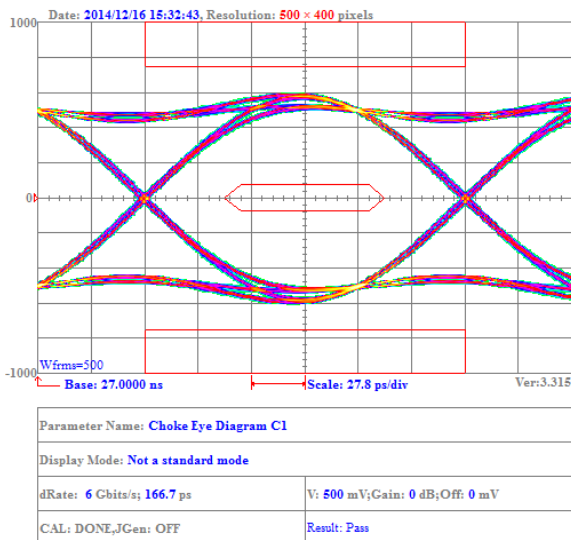
TDR For HDMI2.0 Testing:



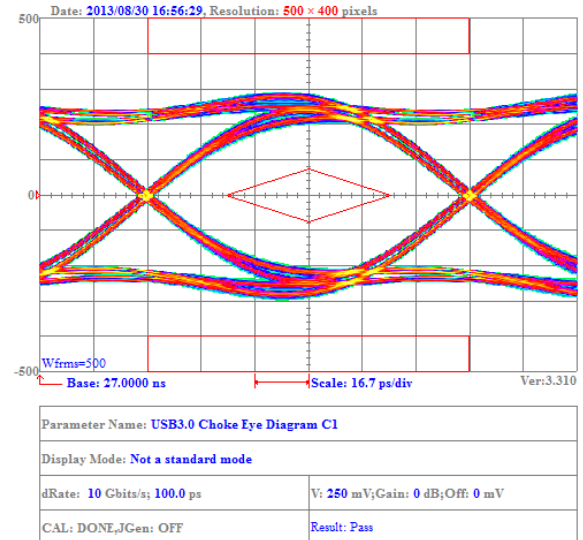
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



Eye Diagram For USB3.0 Testing:



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.

SMD Common Mode Choke – BWCU_03 Series

Electrical Characteristics

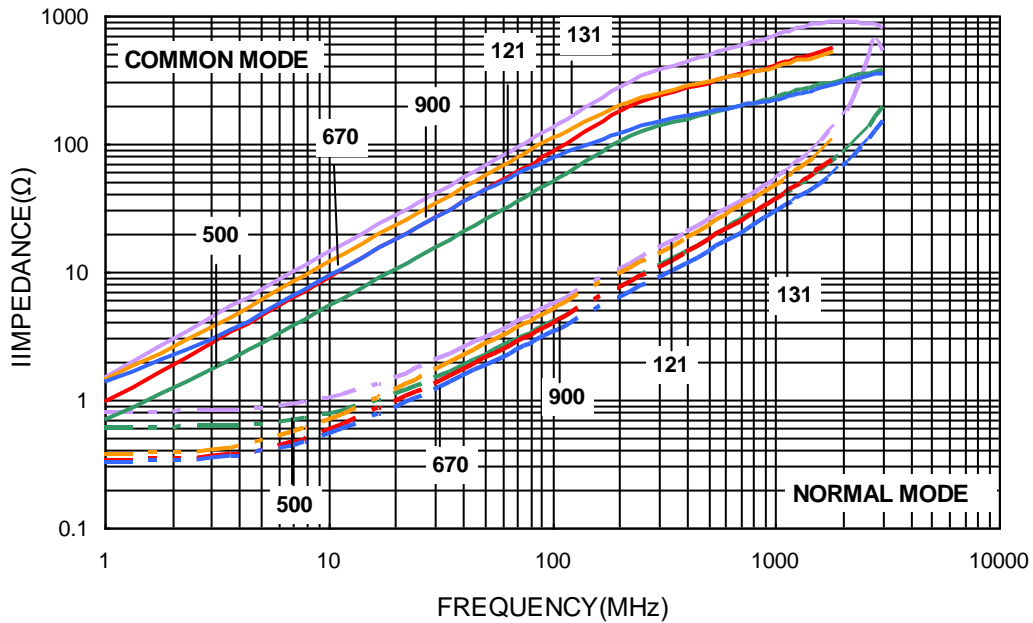
| Part Number | Impedance (Ω) | Tolerance (±%) | Test Frequency (MHz) | RDC (Ω) Max | IDC (mA) Max | Rated Voltage (Vdc) | Withstand Voltage (Vdc) | Insulation Resistance (MΩ) Min |
|--------------------|---------------|----------------|----------------------|-------------|--------------|---------------------|-------------------------|--------------------------------|
| BWCU00201212500Y03 | 50 | 25 | 100 | 0.20 | 500 | 50 | 125 | 10 |
| BWCU00201212670Y03 | 67 | 25 | 100 | 0.30 | 500 | 50 | 125 | 10 |
| BWCU00201212900□03 | 90 | 20,25 | 100 | 0.30 | 500 | 50 | 125 | 10 |
| BWCU00201212121Y03 | 120 | 25 | 100 | 0.35 | 330 | 50 | 125 | 10 |
| BWCU00201212131Y03 | 130 | 25 | 100 | 0.40 | 300 | 50 | 125 | 10 |

Note: When ordering, please specify tolerance code. Tolerance: Y=±25%

- Operating temperature range –40°C ~ 105°C (Including self - temperature rise)
- IDC for Inductance drop 10% from its value without current.
- Measure Equipment :
 Z : HP4286A/HP4287A/Agilent E4991A+Agilent16197A
 RDC : Chroma 16502 (Single Wire Test Value)
 IDC : HP4284A+HP42841A/HP4285A+HP42841A
 Insulation Resistance : Agilent HP4339B

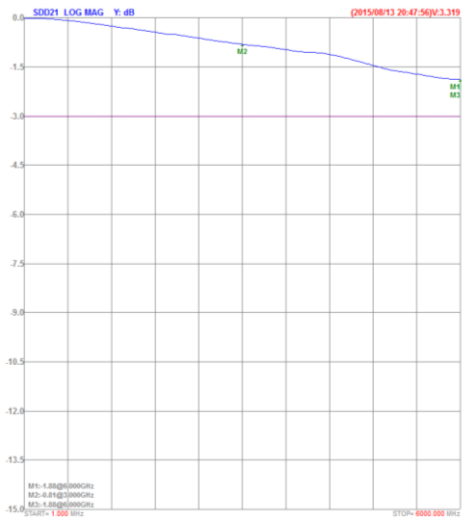
Test Instruments : HP4291A Material/Impedance Analyzer

Typical Impedance vs. Frequency

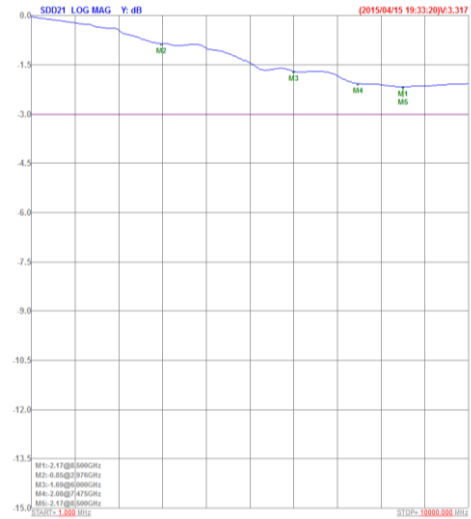


BWCU00201212500Y03

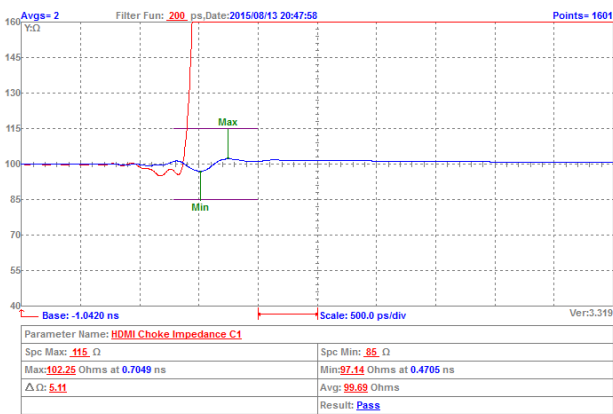
Insertion Loss For HDMI2.0 Testing:



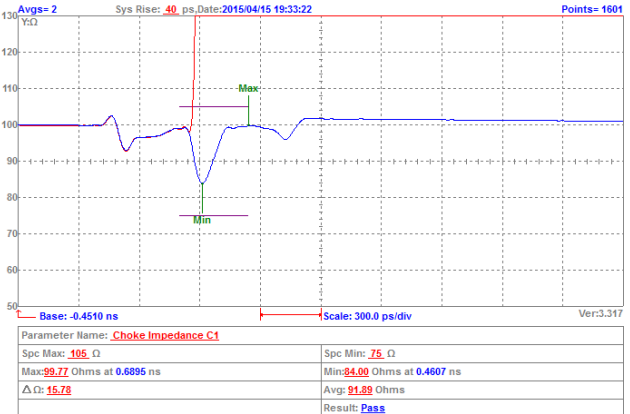
Insertion Loss For USB3.0 Testing:



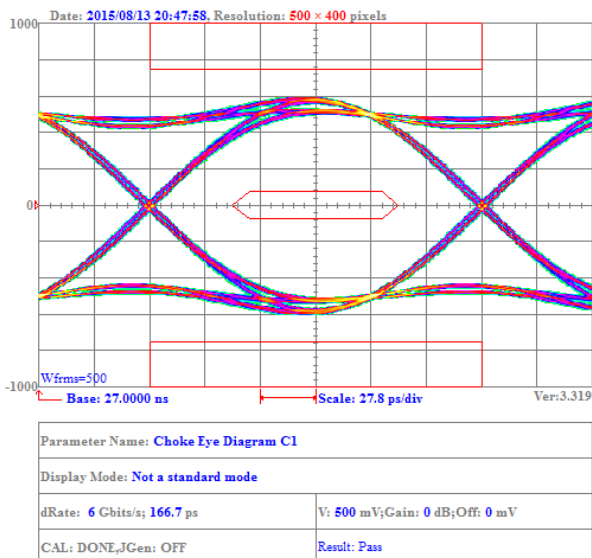
TDR For HDMI2.0 Testing:



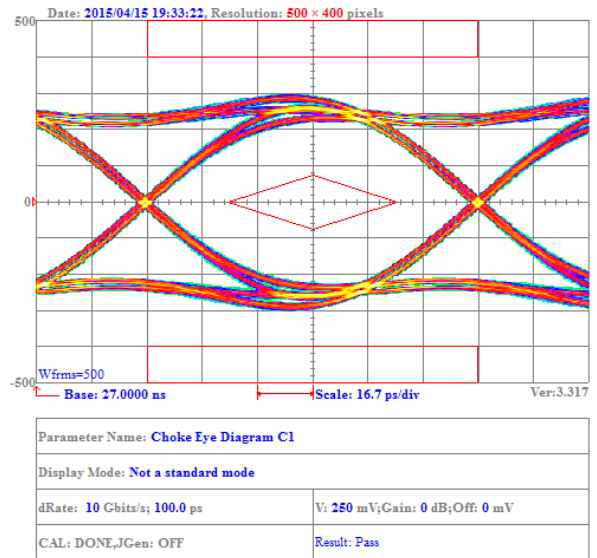
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



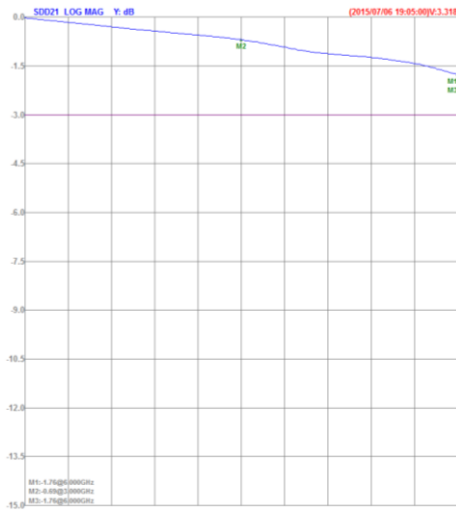
Eye Diagram For USB3.0 Testing:



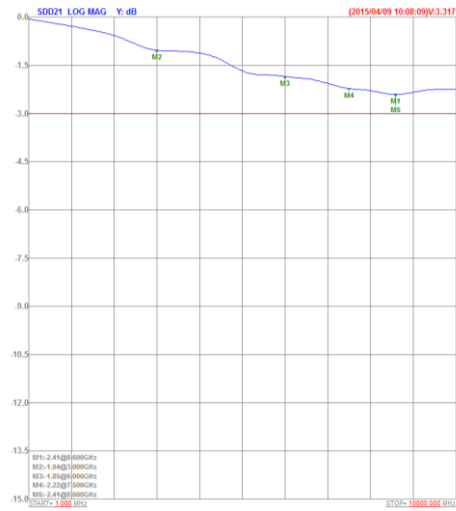
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00201212670Y03

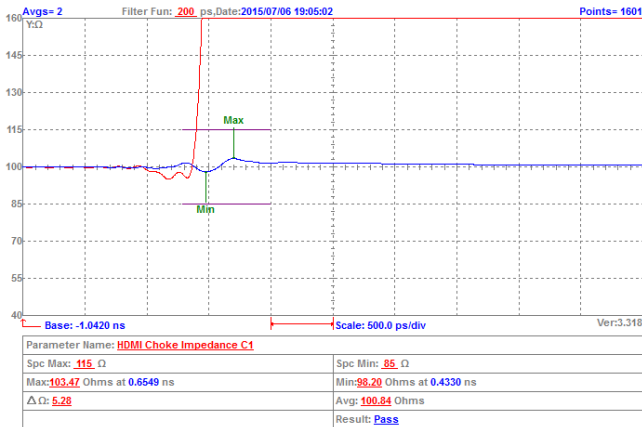
Insertion Loss For HDMI2.0 Testing:



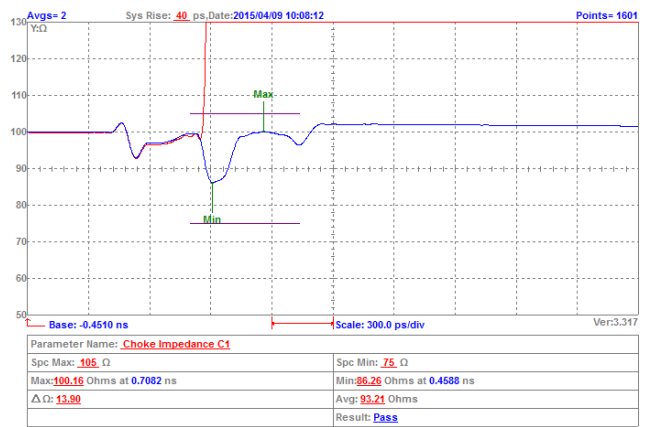
Insertion Loss For USB3.0 Testing:



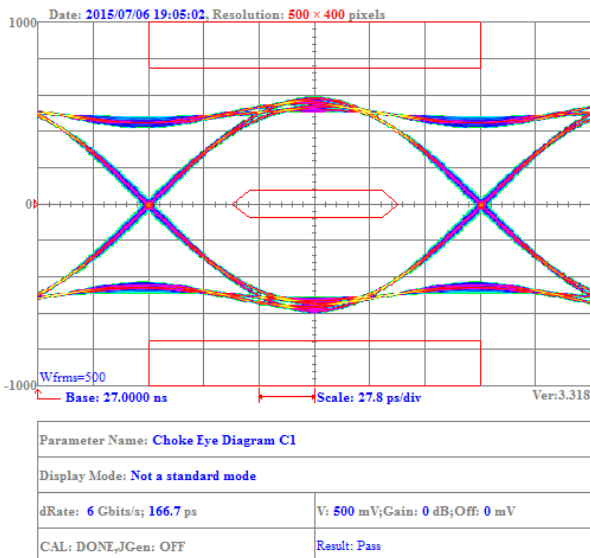
TDR For HDMI2.0 Testing:



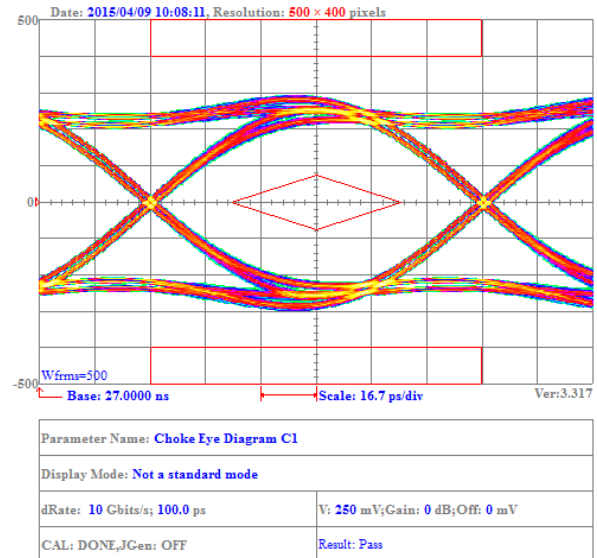
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



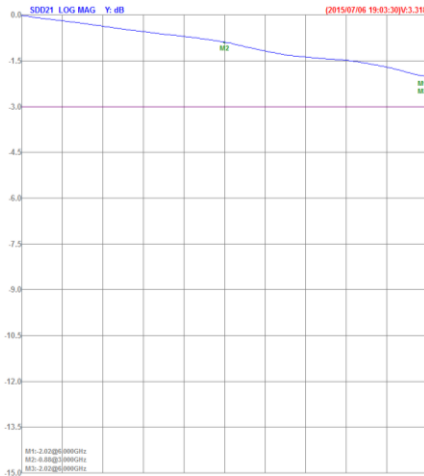
Eye Diagram For USB3.0 Testing:



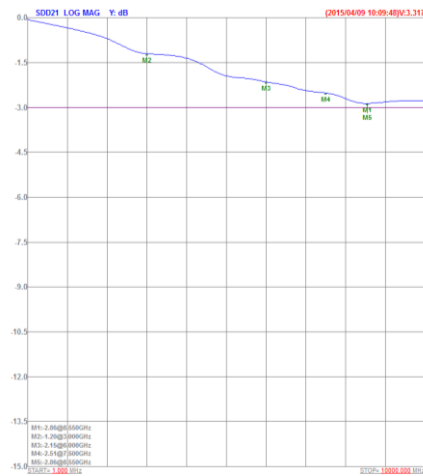
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00201212900Y03

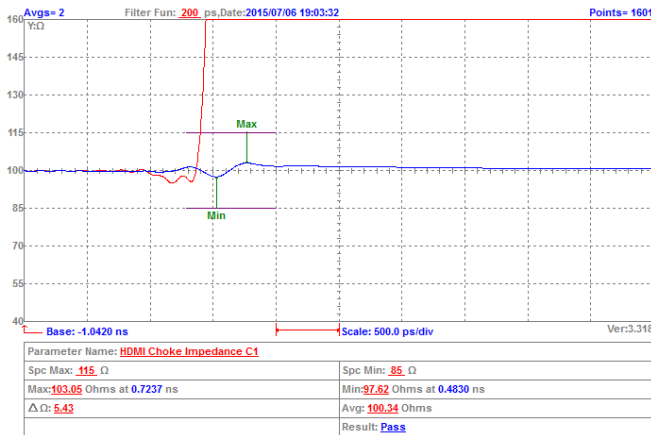
Insertion Loss For HDMI2.0 Testing:



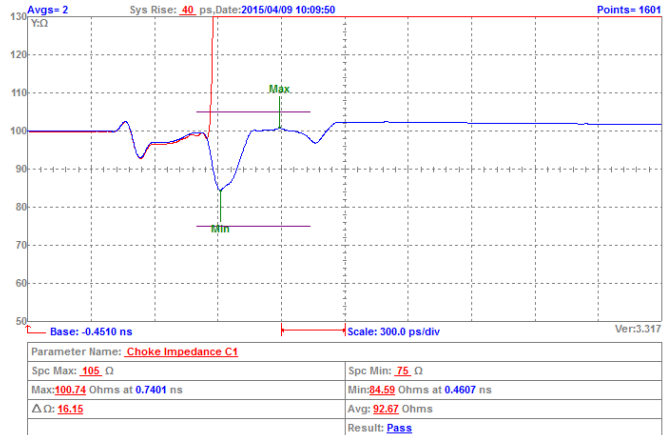
Insertion Loss For USB3.0 Testing:



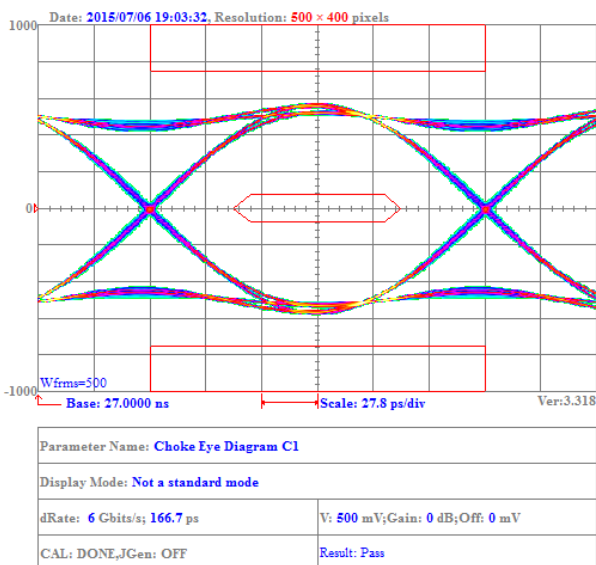
TDR For HDMI2.0 Testing:



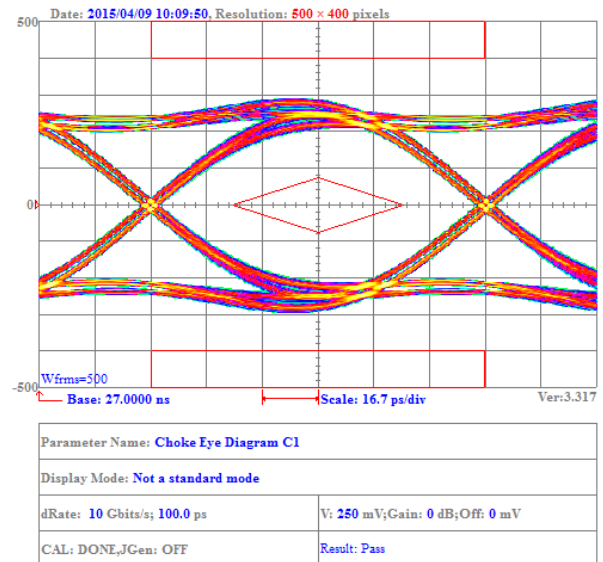
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



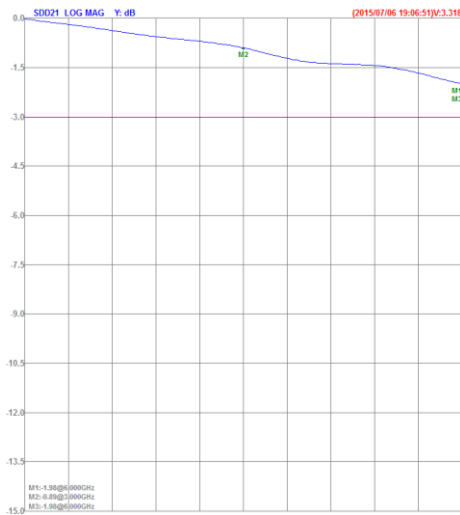
Eye Diagram For USB3.0 Testing:



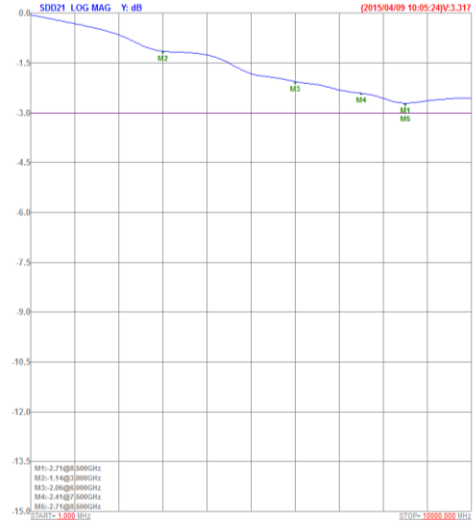
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00201212121Y03

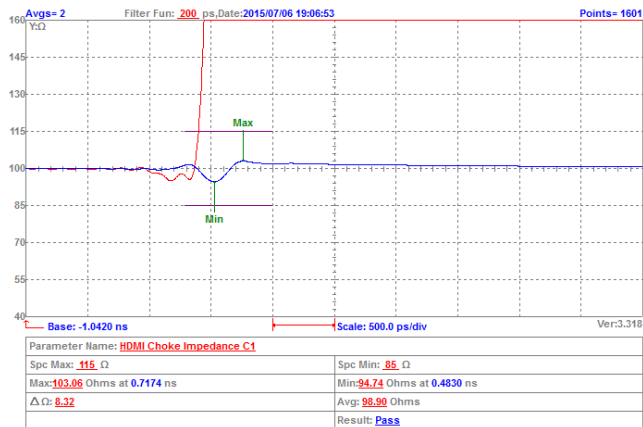
Insertion Loss For HDMI2.0 Testing:



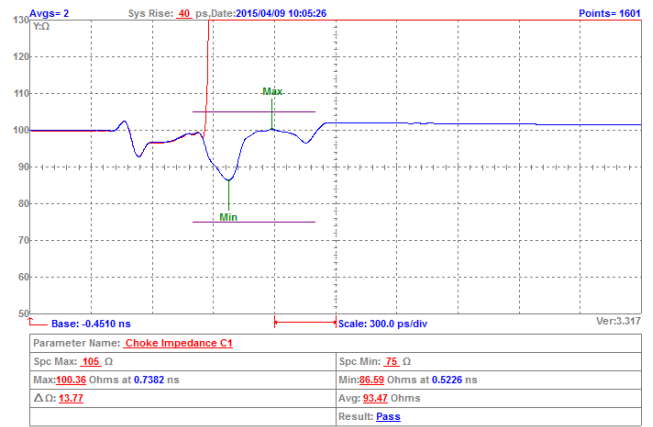
Insertion Loss For USB3.0 Testing:



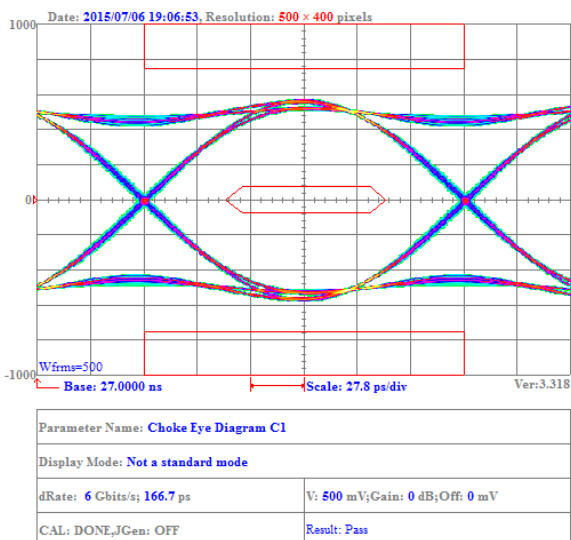
TDR For HDMI2.0 Testing:



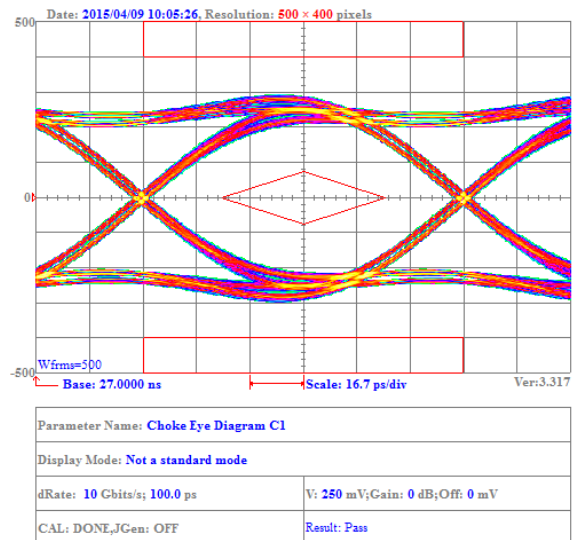
TDR For USB3.0 Testing:



Eye Diagram For HDMI2.0 Testing:



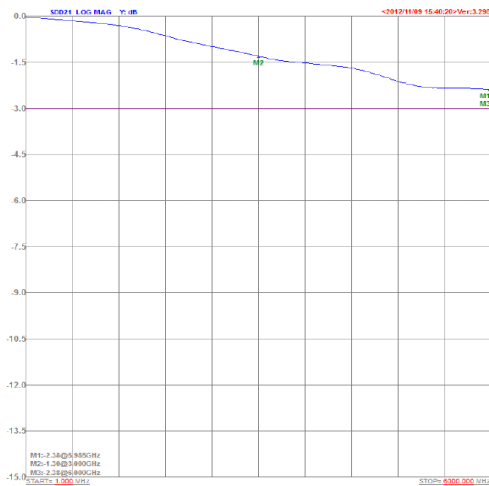
Eye Diagram For USB3.0 Testing:



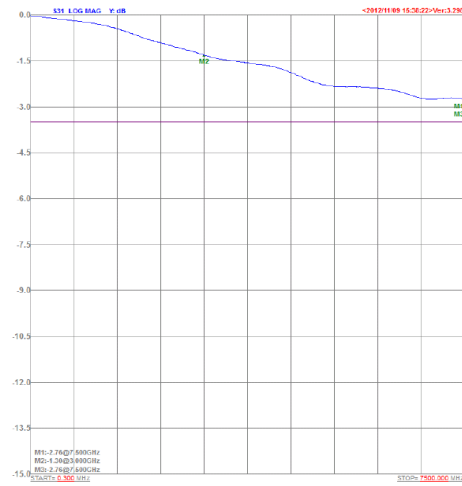
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

BWCU00201212131Y03

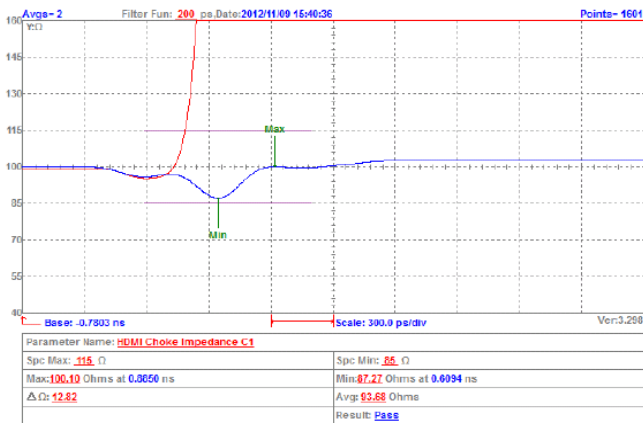
Insertion Loss For HDMI Testing:



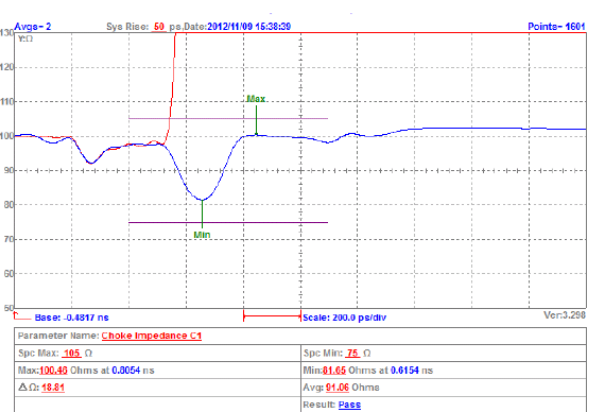
Insertion Loss For USB3.0 Testing:



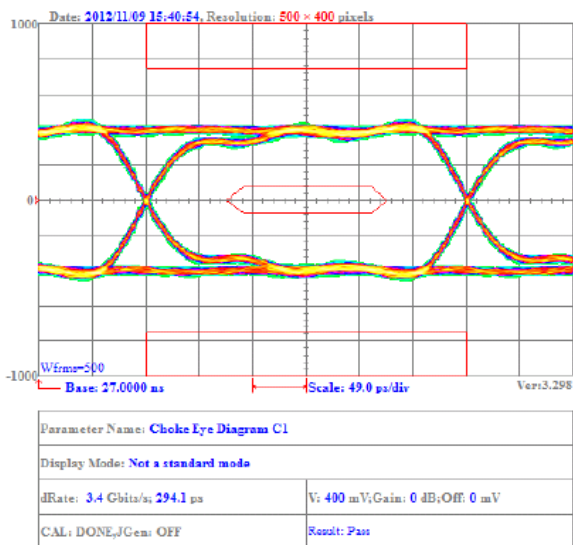
TDR For HDMI Testing:



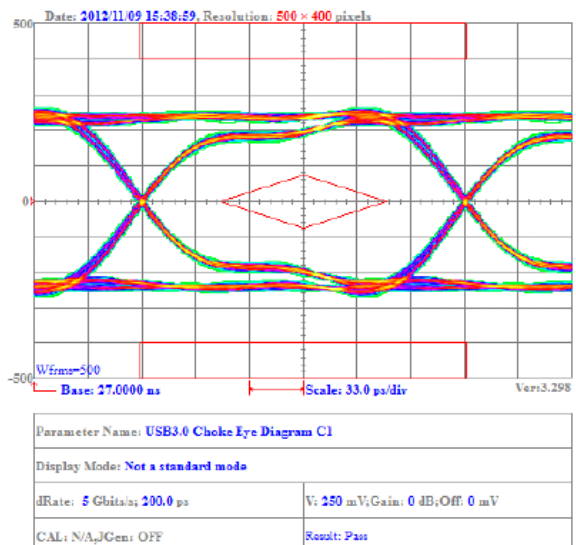
TDR For USB3.0 Testing:



Eye Diagram For HDMI Testing:



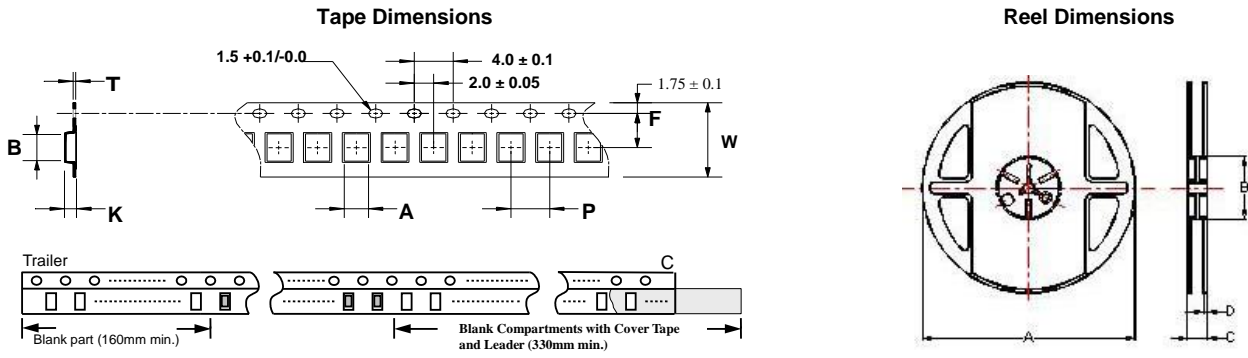
Eye Diagram For USB3.0 Testing:



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.

SMD Common Mode Choke – BWCU_03 Series

Packaging Specifications



Dimensions in mm

| TYPE | Tape Dimensions | | | | | | | Reel Dimensions | | | | Quantity |
|--------------|-----------------|------|------|---|---|-----|------|-----------------|----|----|-----|------------|
| | A | B | T | W | P | F | K | A | B | C | D | PCS / Reel |
| BWCU00121008 | 1.15 | 1.45 | 0.25 | 8 | 4 | 3.5 | 1.00 | 178 | 60 | 12 | 1.5 | 2000 |
| BWCU00201212 | 1.50 | 2.25 | 0.24 | 8 | 4 | 3.5 | 1.35 | 178 | 60 | 12 | 1.5 | 2000 |