



**Product:** [4731RBUHD3 B100](#)

## 12 GHz Mini RG-11 BNC Connector

### Product Description

RG-11, 12 GHz, UHD, BNC, 3 piece crimp connector, bulk 100 pack

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | HD-SDI, UHD-SDI, Video, Digital Video, SMPTE 2082-1 12 Gb/s UHDTV, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080P |
|------------------------|--|

#### Physical Characteristics (Overall)

|            |                                 |
|------------|---------------------------------|
| Packaging: | 25 Pack or 100 Bulk             |
| Weight:    | 1.87kgs / 4.122lbs per 100 pack |

#### Connectors

##### Materials

| Description | Material           |
|-------------|--------------------|
| Nut         | Polished Nickel    |
| Body        | Polished Nickel    |
| Contact     | Brass, Gold Plated |
| Insulator   | PTFE               |

#### Electrical Characteristics

##### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm                           |

##### Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-1485          | 15 dB               |
| 1485-3000       | 10 dB               |
| 3000-6000       | 7 dB                |
| 6000-12000      | 4 dB                |

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Electrical Characteristics Notes: | SMPTE 2082-1 Return Loss or better |
|-----------------------------------|------------------------------------|

#### Mechanical Characteristics

|   |   |
|---|---|
| Footprint/Type:                         | Coax  |
| Connector Interface Type:               | BNC   |
| Gender:                                 | Male - plug   |
| Connector Series Name:                  | UHD   |
| Locking:                                | No  |
| Tool Compatibility:                     | Kings KTH-1000, (Crimp Die Pin) KTH-2010, (Crimp Die Sleeve) KTH-2041 |
| Termination Type:                       | Crimp   |
| Cable Center Conductor Diameter Limits: | 0.063 - 0.0650 in   |
| Cable Dielectric Diameter Limits:       | 0.2795 - 0.2894 in  |

|                                     |                    |
|-------------------------------------|--------------------|
| Cable Outer Jacket Diameter Limits: | 0.3976 - 0.4134 in |
|-------------------------------------|--------------------|

## Standards

|          |    |
|----------|----|
| RG Type: | 11 |
|----------|----|

## Applicable Environmental and Other Programs

|  |                               |
|--|-------------------------------|
| Environmental Space:                         | Indoor                        |
| EU Directive 2000/53/EC (ELV):               | Yes                           |
| EU Directive 2011/65/EU (RoHS 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| CA Prop 65:                                  | Yes                           |

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Related Part Numbers

### Variants

| Item #          | Color    | UPC          |
|-----------------|----------|--------------|
| 4731RBUHD3 B100 | No Color | 612825405726 |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.38 Revision Date: 03-04-2023 |
|----------------------|---|

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