

## General Description

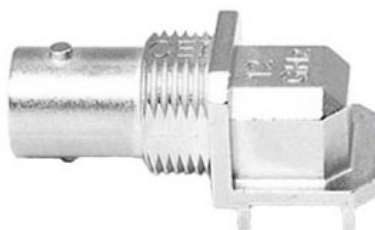
Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the J1A CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Electronics 12GHz BNC Connectors in both halves. This connector has a surface mounted pin.

This connector is available as:

XBS-12-RB35-NNN as a connector only part

XBS-12-RB35-NNN-AA supplied with Hex Nut & Washer

XBS-12-EB16-NNS-CA supplied with 2 Slot Circular Nut & Washer



## Electrical

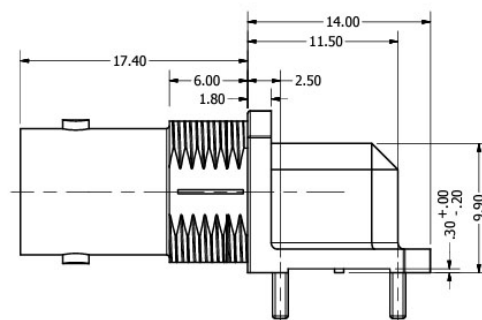
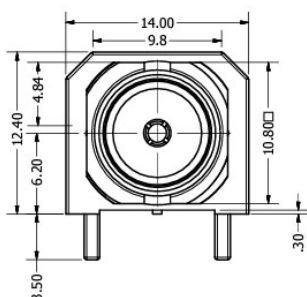
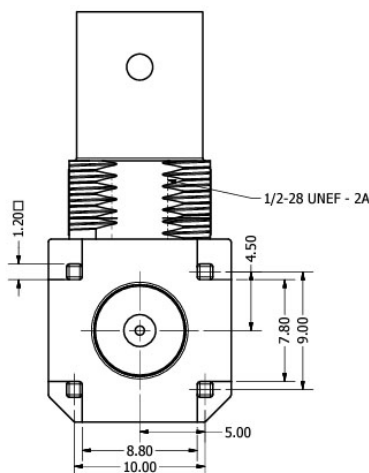
|                                 |                |                                         |
|---------------------------------|----------------|-----------------------------------------|
| Impedance                       |                | 75Ω                                     |
| Frequency Range                 |                | 0-12GHz                                 |
| Working Voltage                 |                | 500Vrms                                 |
| Reflection Factor (VSWR)        |                | 1.11 (max) 0-6GHz<br>1.21 (max) 6-12GHz |
| Dielectric Withstanding Voltage |                | 1500Vrms                                |
| Insulation Resistance           |                | ≥5000MΩ                                 |
| Contact Resistance              | Centre Contact | ≤ 1.5mΩ                                 |
|                                 | Outer Contact  | ≤ 1.0mΩ                                 |

## Materials

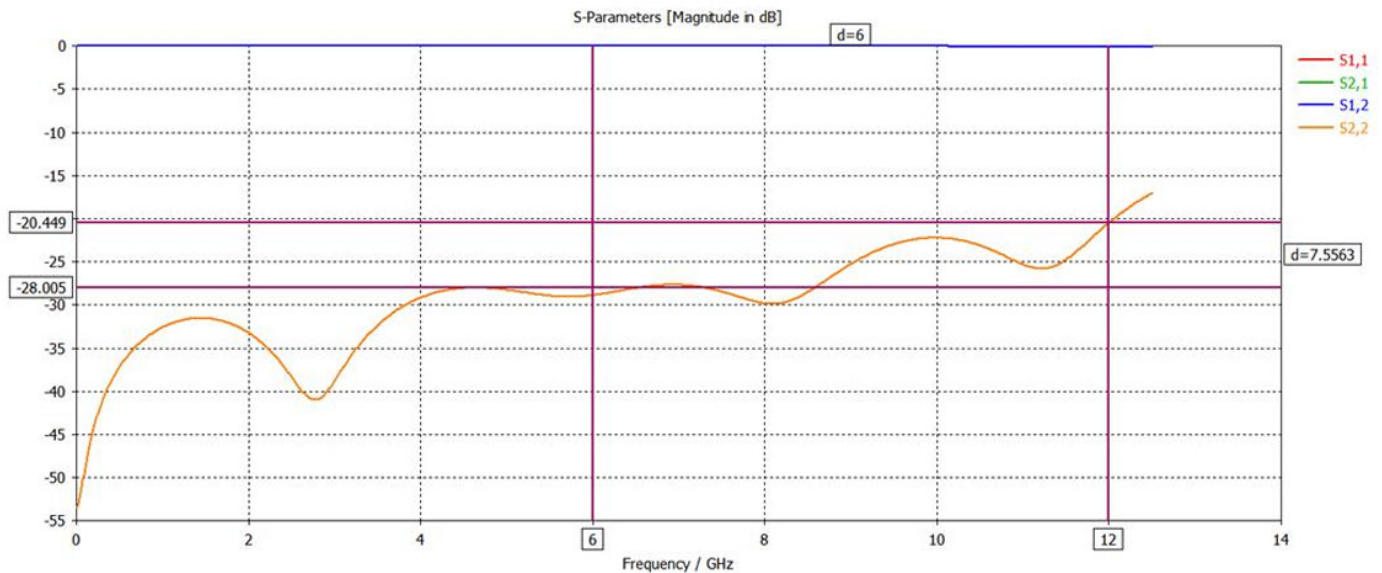
|             |                      |
|-------------|----------------------|
| Centre Pin  | PhosBronze / 10 μ"Au |
| Metal Parts | Die Cast Zinc/Ni     |
| Insulators  | PTFE                 |

## Environmental

|                |              |
|----------------|--------------|
| Connector Type | BNC Female   |
| Temp Range     | -65 to +85°C |
| Mating Cycles  | 250          |



## Return Loss Graph



## PCB Layout and Panel Cutout

