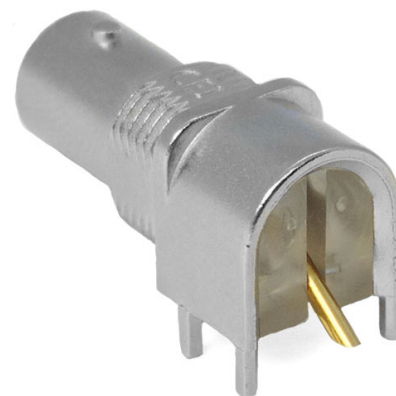


## General Description

The XBS-03-RB33-NNNV precision 75Ω BNC Connector is a right angle mounted PCB connector for surface mount applications. It also features Pathfinder™ light pipe technology which aids port identification, whilst also meeting the requirements of the SMPTE ST 2081-1 for 3G-SDI.

This connector is available as:  
XBS-03-RB33-NNNV as a connector only part  
XBS-03-RB33-NNNV-AA supplied with Hex Nut & Washer



## Electrical

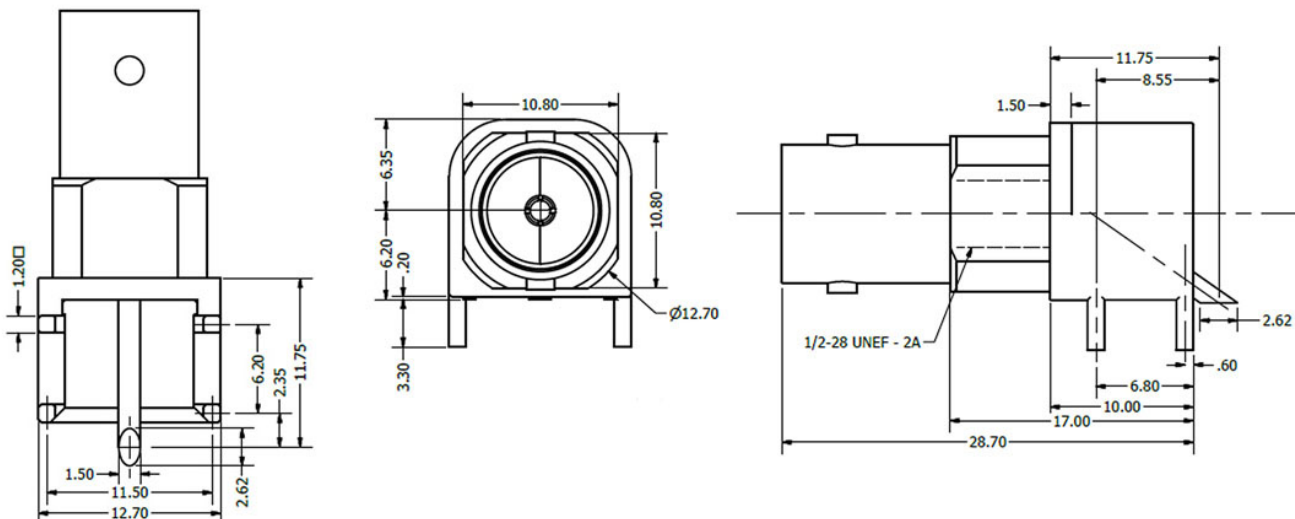
|                                 |                |                                            |
|---------------------------------|----------------|--------------------------------------------|
| Impedance                       |                | 75Ω                                        |
| Frequency Range                 |                | 0-3GHz                                     |
| Working Voltage                 |                | 500Vrms                                    |
| Reflection Factor (VSWR)        |                | 1.09 (max) 0-1.5GHz<br>1.18 (max) 1.5-3GHz |
| Dielectric Withstanding Voltage |                | 1500Vrms                                   |
| Insulation Resistance           |                | ≥5000MΩ                                    |
| Contact Resistance              | Centre Contact | ≤ 1.5mΩ                                    |
|                                 | Outer Contact  | ≤ 1.0mΩ                                    |

## Materials

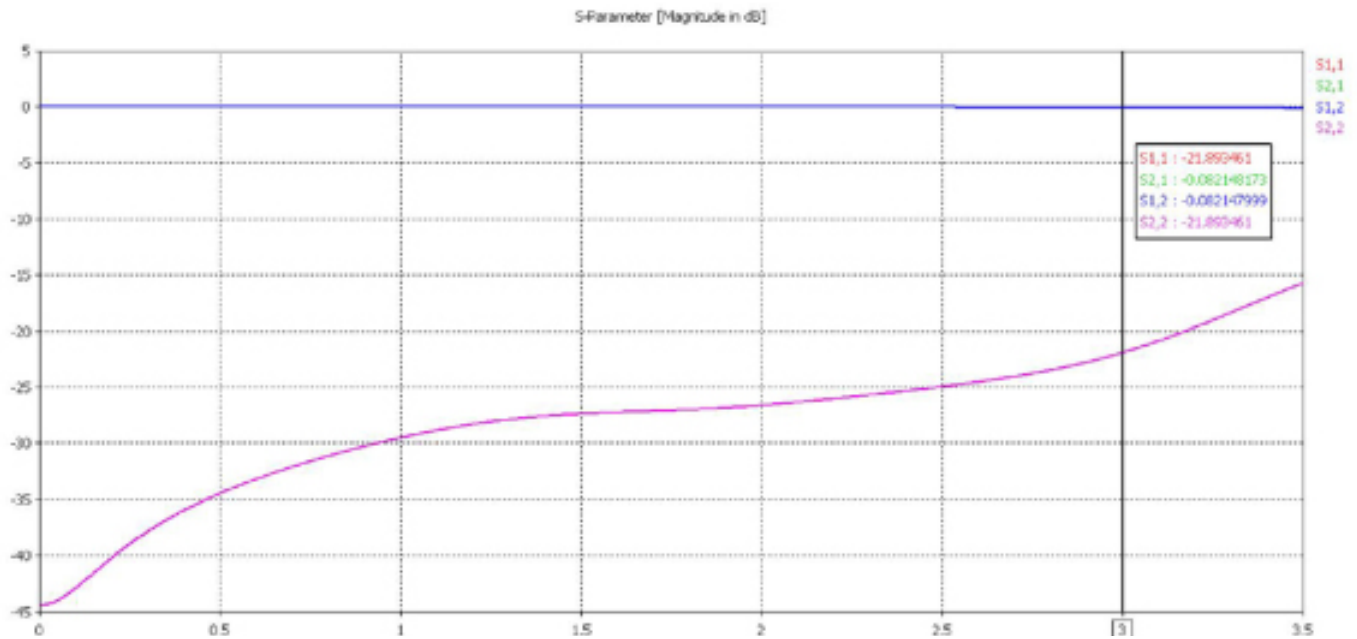
|             |                      |
|-------------|----------------------|
| Centre Pin  | PhosBronze / 10 μ"Au |
| Metal Parts | Die Cast Zinc/Ni     |
| Insulators  | UL94 HB TPX          |

## Environmental

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



## Return Loss Graph



## PCB Layout and Panel Cutout

