

## General Description

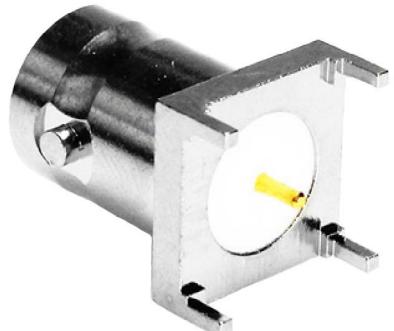
Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the JIIA CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The XBS-12-TE24-NNQ connector is a top entry BNC connector with a square base. The connector is made for PCB thicknesses up to 2.3mm.

This connector was formerly sold as:  
 C-SX-089 as a 3GHz version of this connector



## Electrical

Impedance	75Ω				
Frequency Range	0-12GHz				
Working Voltage	500Vrms				
Reflection Factor (VSWR)	1.14 (max) 0-6GHz 1.18 (max) 6-12GHz				
Dielectric Withstanding Voltage	1500Vrms				
Insulation Resistance	≥5000MΩ				
Contact Resistance	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 2px;">Centre Contact</td> <td style="padding: 2px;">≤ 1.5mΩ</td> </tr> <tr> <td style="padding: 2px;">Outer Contact</td> <td style="padding: 2px;">≤ 1.0mΩ</td> </tr> </table>	Centre Contact	≤ 1.5mΩ	Outer Contact	≤ 1.0mΩ
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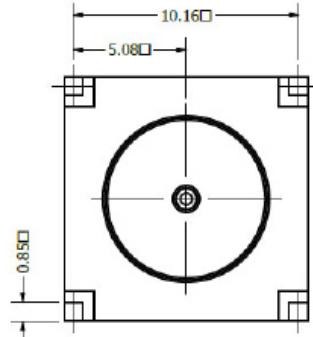
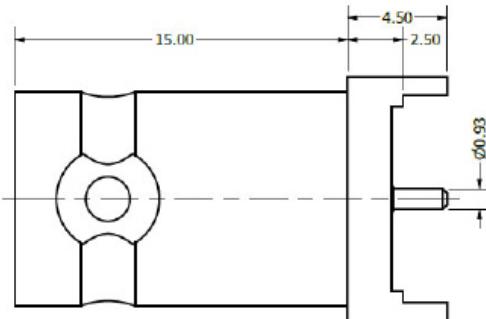
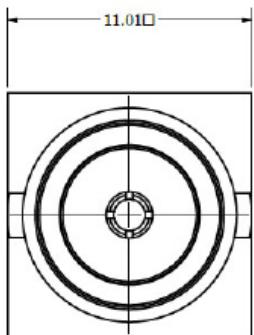


## Materials

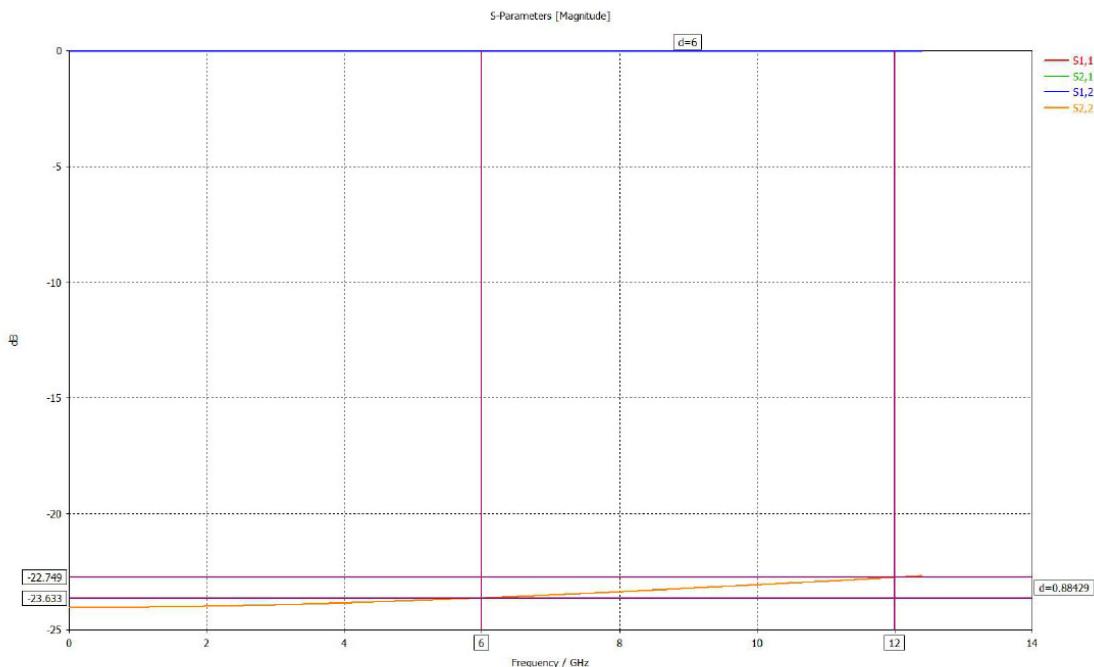
Centre Pin	PhosBronze / 10 $\mu$ "Au
Metal Parts	Brass/Ni
Insulators	PTFE

## Environmental

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



### Return Loss Graph



### PCB Layout

**Suggested PCB layout intended as starting point for design iteration**

