

## General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications while also meeting the JIJA CoaXPress CXP12 specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The Micro BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Electronics 12GHz Micro BNC Connectors in both halves. The XPS-12-EB23-GGO connector is a PCB edge mounting Micro BNC bulkhead socket for PCB thicknesses of 2.3mm and has an enlarged flange.

This connector was formerly sold as:  
 C-SX-176 when supplied with ANP-C2-CBN-1.60



## Electrical

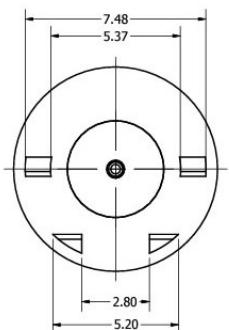
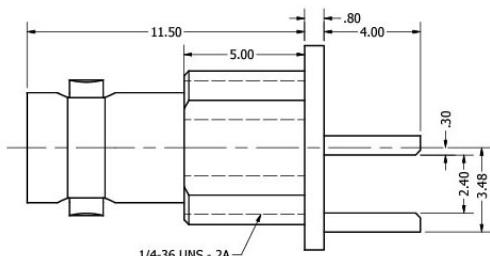
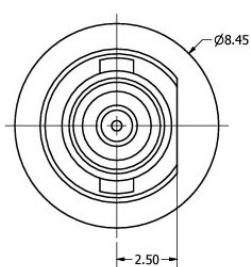
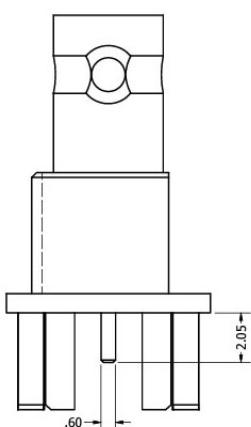
Impedance	75Ω
Frequency Range	0-12GHz
Working Voltage	170Vrms
Reflection Factor (VSWR)	1.07 (max) 0-12GHz
Dielectric Withstanding Voltage	500Vrms
Insulation Resistance	$\geq 1000\text{M}\Omega$
Contact Resistance	Centre Contact $\leq 5.0\text{m}\Omega$ Outer Contact $\leq 2.5\text{m}\Omega$

## Materials

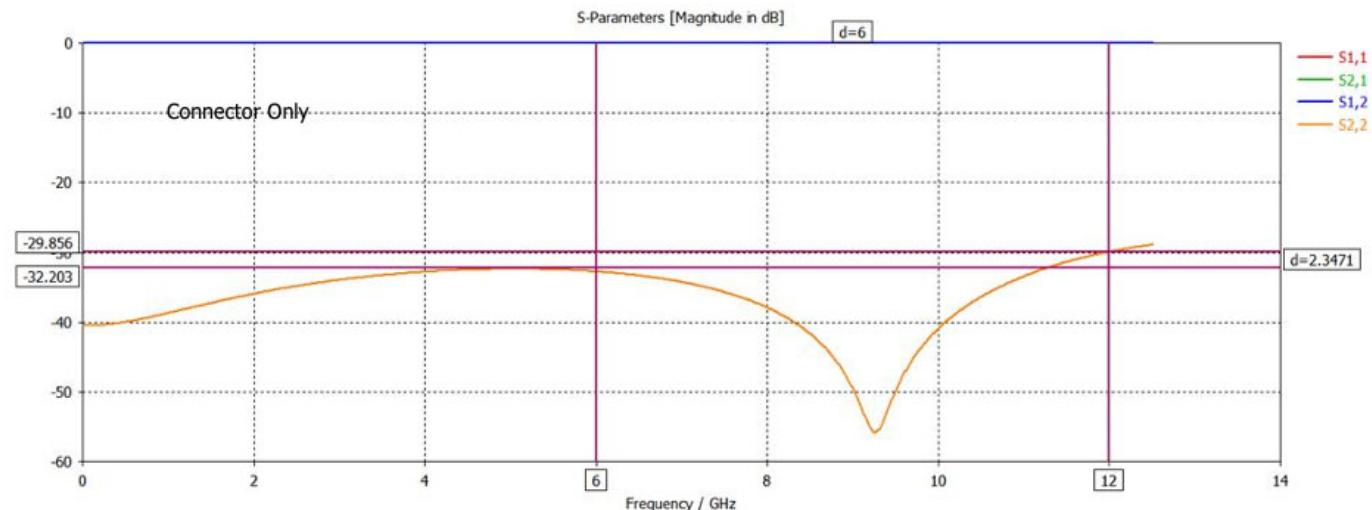
Centre Pin	BeCu / 10 $\mu\text{"Au}$
Metal Parts	Brass/Au
Insulators	PTFE

## Environmental

Connector Type	Micro BNC Female
Temp Range	-65 to +85°C
Mating Cycles	500



### Return Loss Graph



### PCB Layout

