

General Description

Our range of 12GHz Precision Micro BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications whilst meeting the J11A CXP-12 CoaXPress 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 Micro BNC connector. The XPS-12-TB25-GG connector is a PCB top entry Micro BNC bulkhead which features a 6.2mm stand off and is designed for boards up to 2.4mm.

This connector is available as:

XPS-12-TB25-GG as a connector only part

XPS-12-TB25-GG-AZ supplied with 2 Slot Circular Nut

XPS-12-TB25-GG-EZ supplied with 4 Slot Magnetic Circular Nut

Electrical

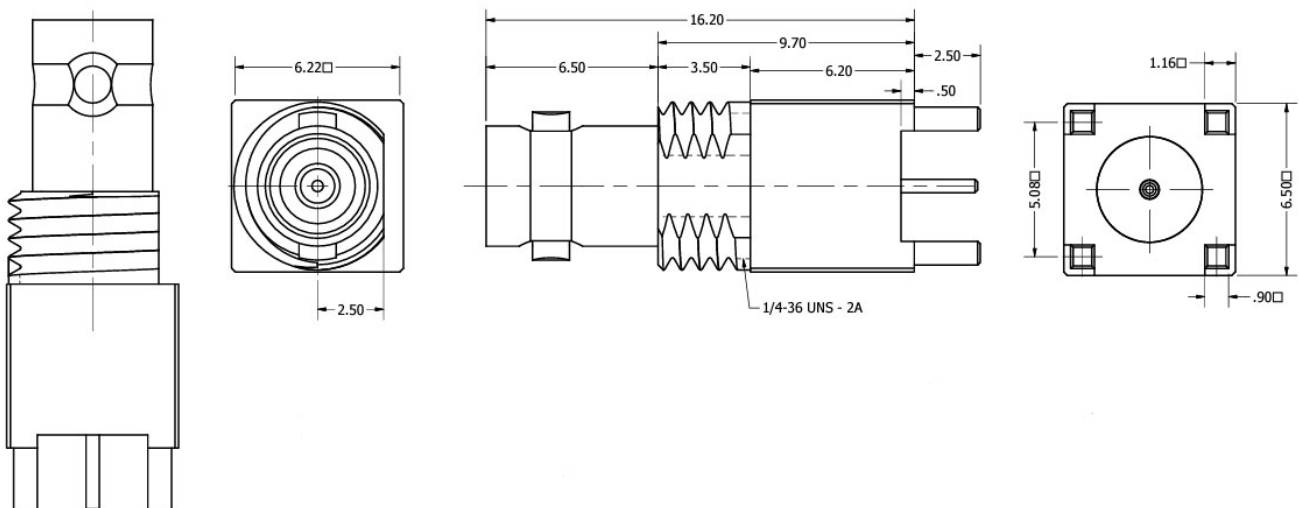
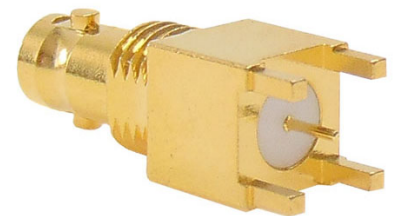
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		170Vrms
Reflection Factor (VSWR)		1.05 (max) 0-12GHz
Dielectric Withstanding Voltage		500Vrms
Insulation Resistance		≥1000MΩ
Contact Resistance	Centre Contact	≤ 5.0mΩ
	Outer Contact	≤ 2.5mΩ

Materials

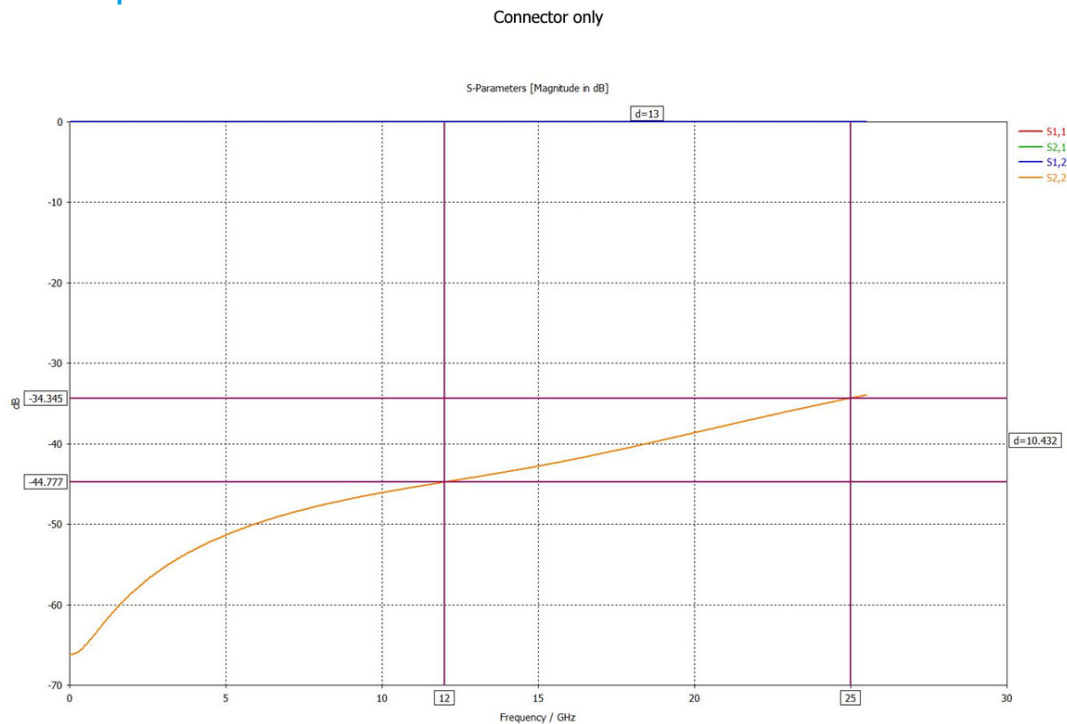
Centre Pin	BeCu / 10 μ"Au
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

