

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 J1A 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-EB17-GGO connector is a PCB edge mounting Micro BNC bulkhead socket for PCB thicknesses of 1.75mm and has an enlarged flange.



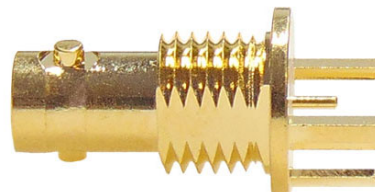
This connector is available as:

XPS-12-EB17-GGO as a connector only part

XPS-12-EB17-GGO-AZ supplied with 2 Slot Circular Nut

Electrical

Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		170Vrms
Reflection Factor (VSWR)		1.07 (max) 0-12GHz
Dielectric Withstanding Voltage		500Vrms
Insulation Resistance		≥1000MΩ
Contact Resistance	Centre Contact	≤ 5.0mΩ
	Outer Contact	≤ 2.5mΩ

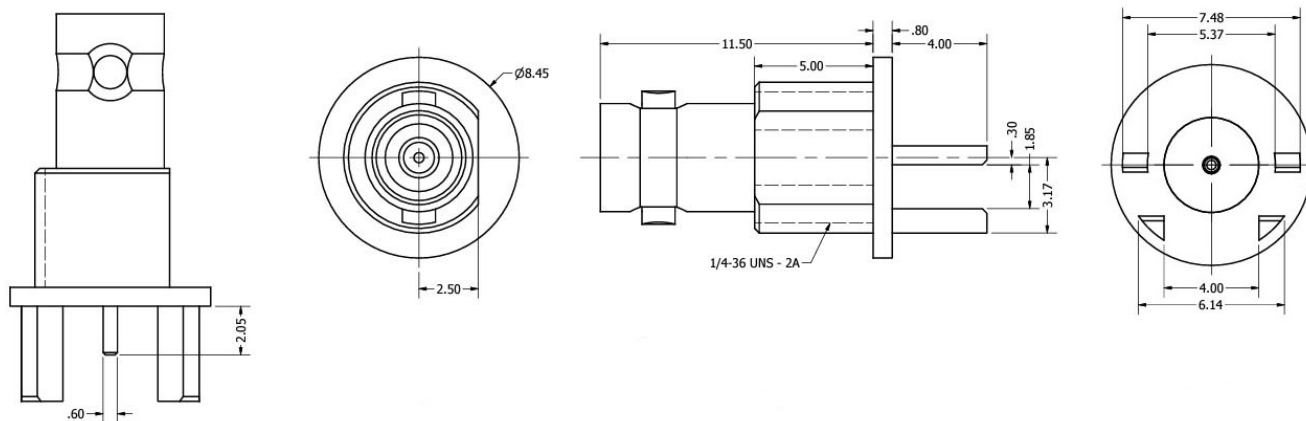


Materials

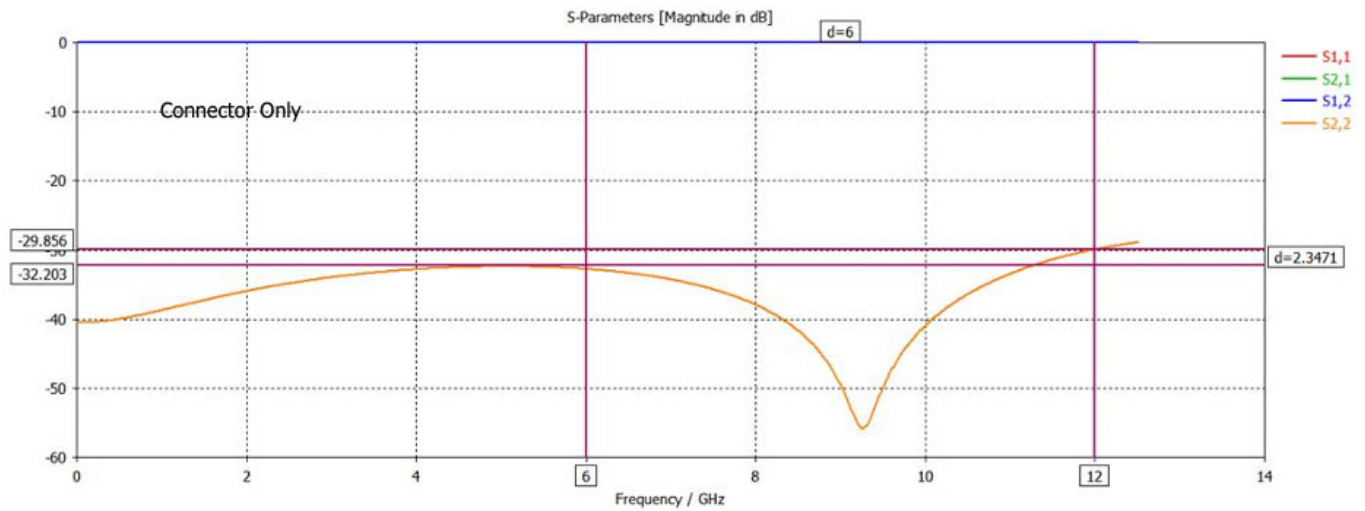
Centre Pin	BeCu / 10 μ "Au
Metal Parts	Brass/Au
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

