

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-RB41-GN is a right angle Bulkhead Micro BNC socket for PCB thickness's up to 4.0mm

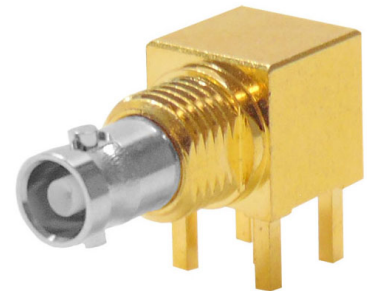
This connector is available as:

XPS-12-RB41-GN as a connector only part

XPS-12-RB41-GN-AZ supplied with 2 Slot Circular Nut

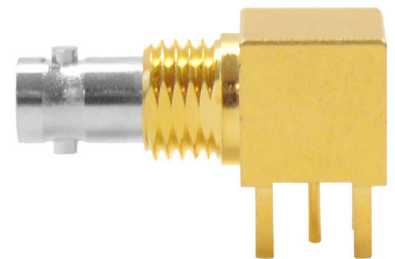
XPS-12-RB41-GN-DZ supplied with 2 Wide Slot Circular Nut

XPS-12-RB41-GN-EZ supplied with 4 Slot Magnetic Circular Nut



Electrical

Impedance	75Ω	
Frequency Range	0-12GHz	
Working Voltage	170Vrms	
Reflection Factor (VSWR)	1.04 (max) 0-6GHz 1.10 (max) 6-12GHz	
Dielectric Withstanding Voltage	500Vrms	
Insulation Resistance	≥1000MΩ	
Contact Resistance	Centre Contact	≤ 4.0mΩ
	Outer Contact	≤ 2.5mΩ

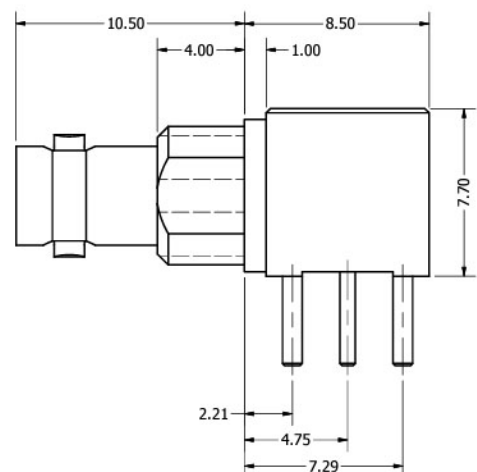
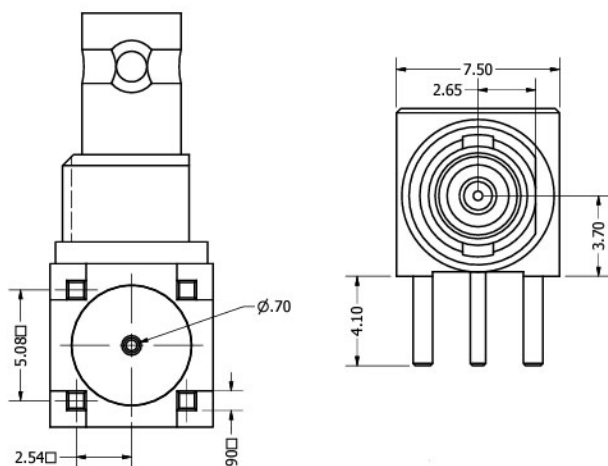


Materials

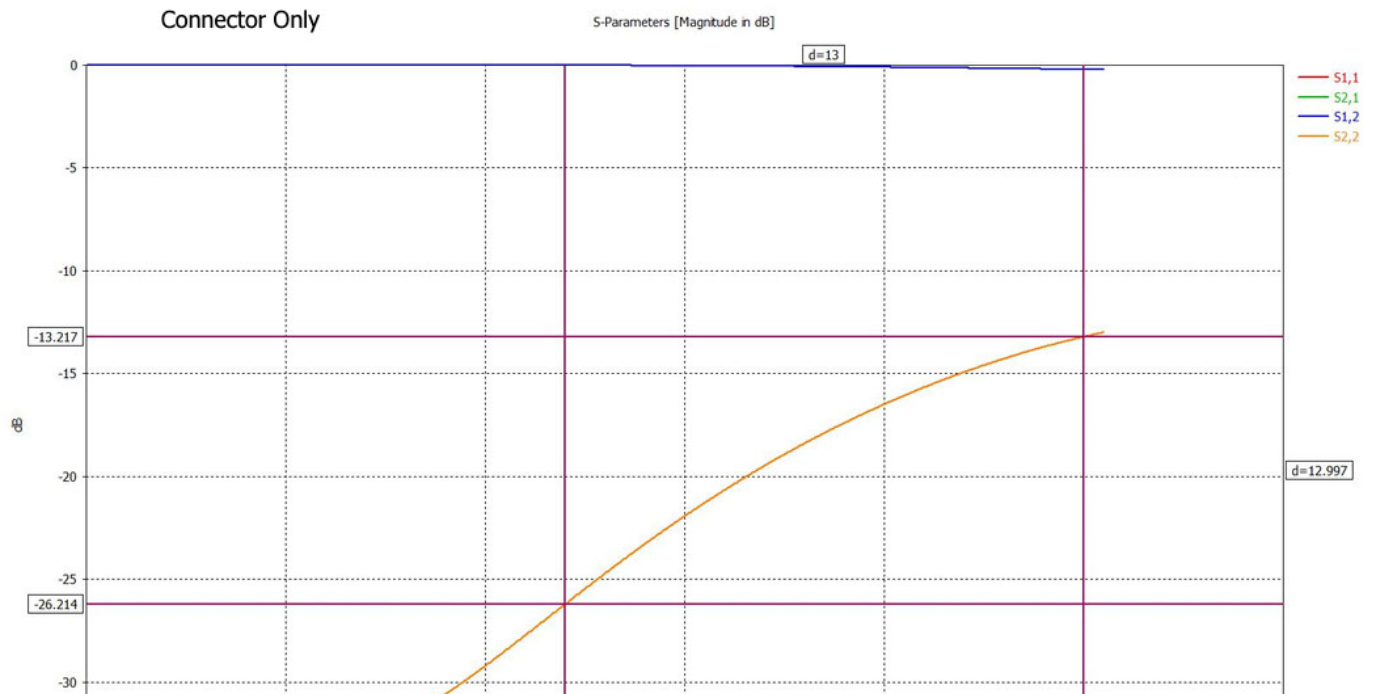
Centre Pin	BeCu / 10 μ"Au
Metal Parts	Brass/Au/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout

