

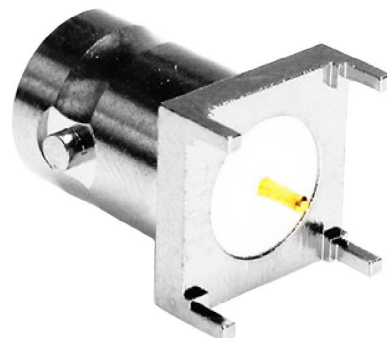
General Description

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 J1A 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.



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	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

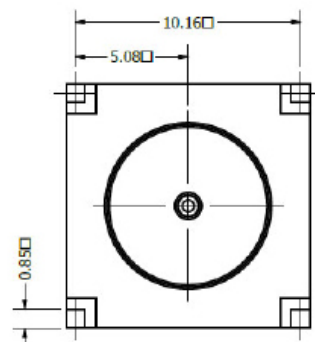
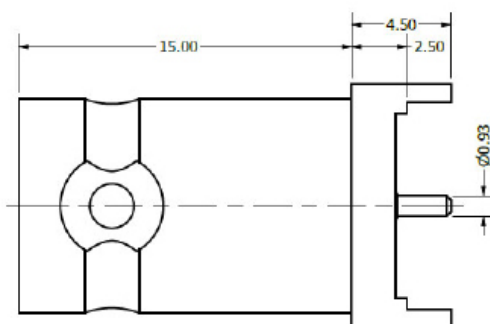
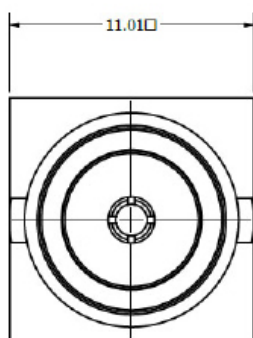


Materials

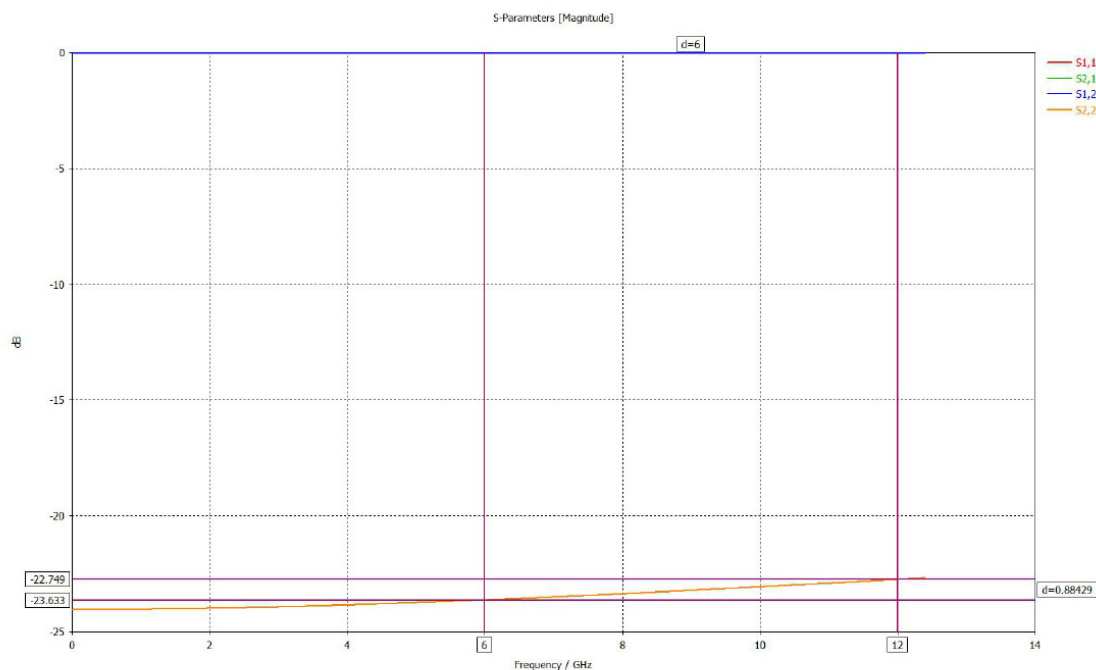
Centre Pin	PhosBronze / 10 μ"Au
Metal Parts	Brass/Ni
Insulators	PTFE

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

