

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-TB41-NN connector is a top entry, five pin connector for bulkhead mounting. It is designed for a board thickness of up to 4.0mm.

This connector is available as:
XBS-12-TB41-NN as a connector only part
XBS-12-TB41-NN-CA supplied with 2 Slot Circular Nut & Washer
XBS-12-TB41-NN-DA supplied with 2 Slot Deep Circular Nut & Washer

Electrical

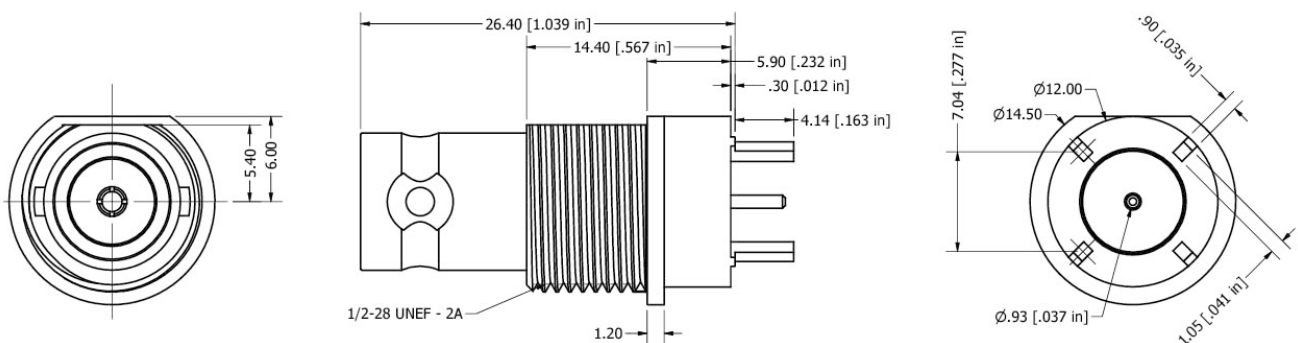
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.04 (max) 0-6GHz 1.08 (max) 6-12GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

Materials

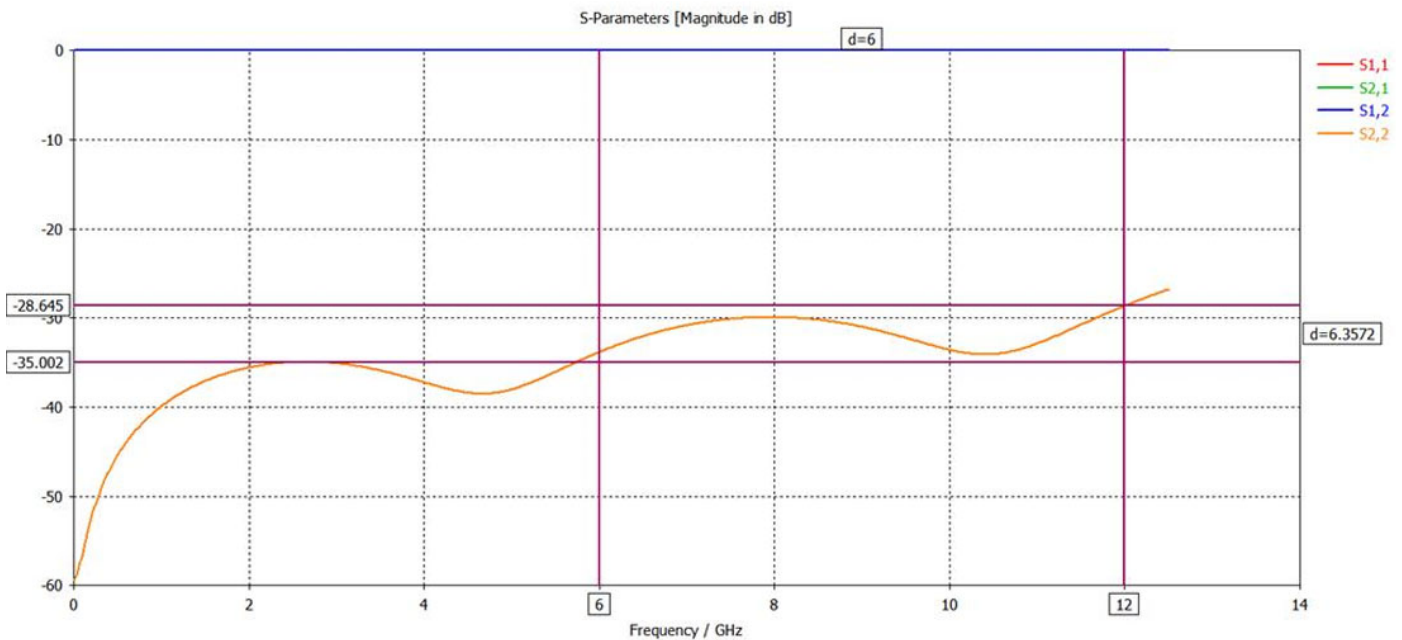
Centre Pin	PhosBronze / 10 μ"Au
Metal Parts	Brass/Ni
Insulators	PTFE - UL 94 V-0

Environmental

Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	250



Return Loss Graph



PCB Layout and Panel Cutout

