

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 J11A CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Electronics 12GHz BNC Connectors in both halves.

This connector was formerly sold as:

C-SX-144 when supplied with AWB-S0-ZBN-0.50 and ANB-H0-ABN-2.50

C-SX-151 when supplied with AWB-S0-ZBN-0.50 and ANB-C2-ABN-2.50



Electrical

Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.10 (max) 0-6GHz 1.14 (max) 6-12GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

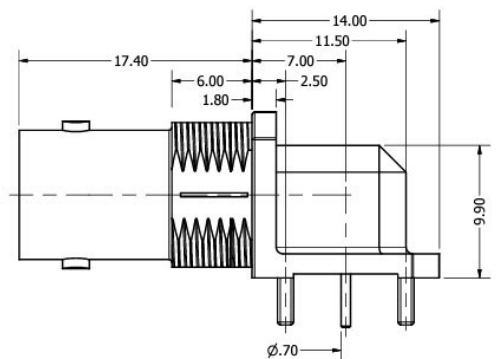
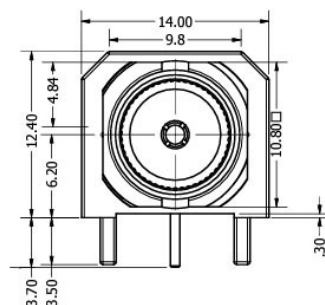
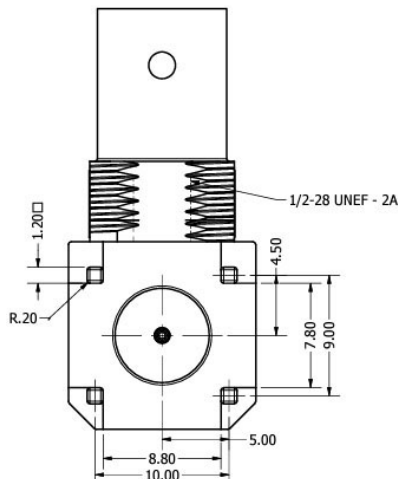


Materials

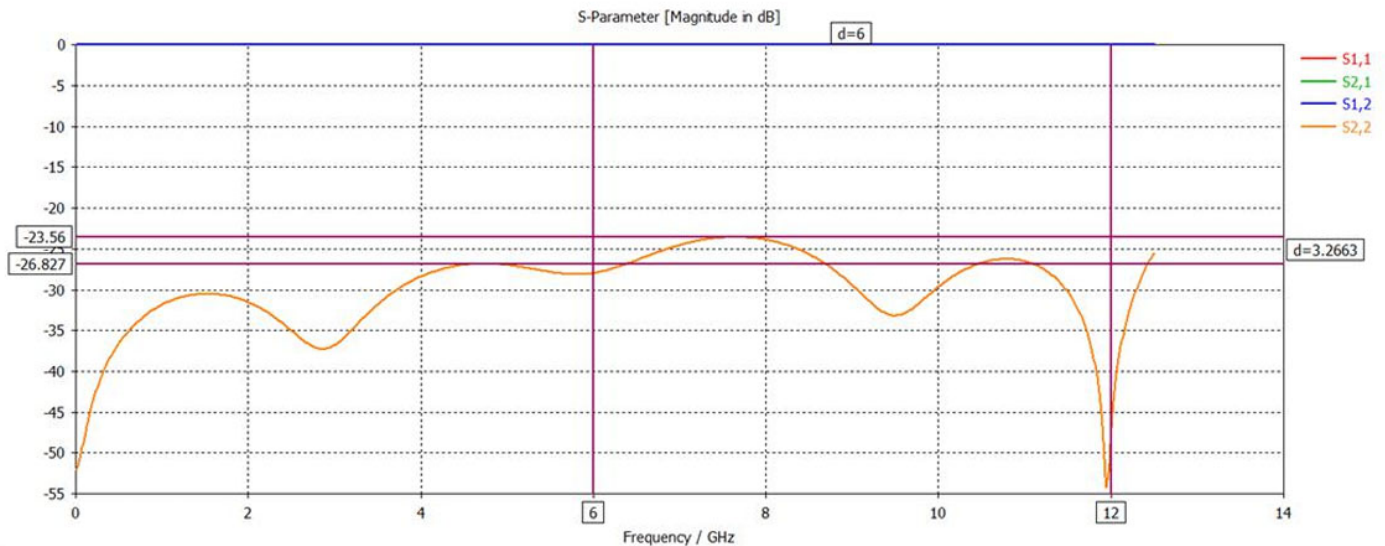
Centre Pin	PhosBronze / 10 μ"Au
Metal Parts	Die Cast Zinc/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



With BNC Male connector and No PCB element.

PCB Layout and Panel Cutout

