

General Description

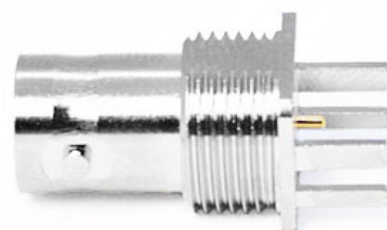
Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications while meeting the J1A CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Electronics 12GHz BNC Connectors in both halves. The XBS-12-EB16-NNSU connector is an PCB edge mounting BNC socket for PCB thicknesses of 1.6mm and has a protective sleeve around the centre contact.

This connector is available as:
XBS-12-EB16-NNSU as a connector only part
XBS-12-EB16-NNSU-AA supplied with Hex Nut & Washer



Electrical

Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		250Vrms
Reflection Factor (VSWR)		1.19 (max) 0-12GHz
Dielectric Withstanding Voltage		750Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 4.0mΩ
	Outer Contact	≤ 2.5mΩ

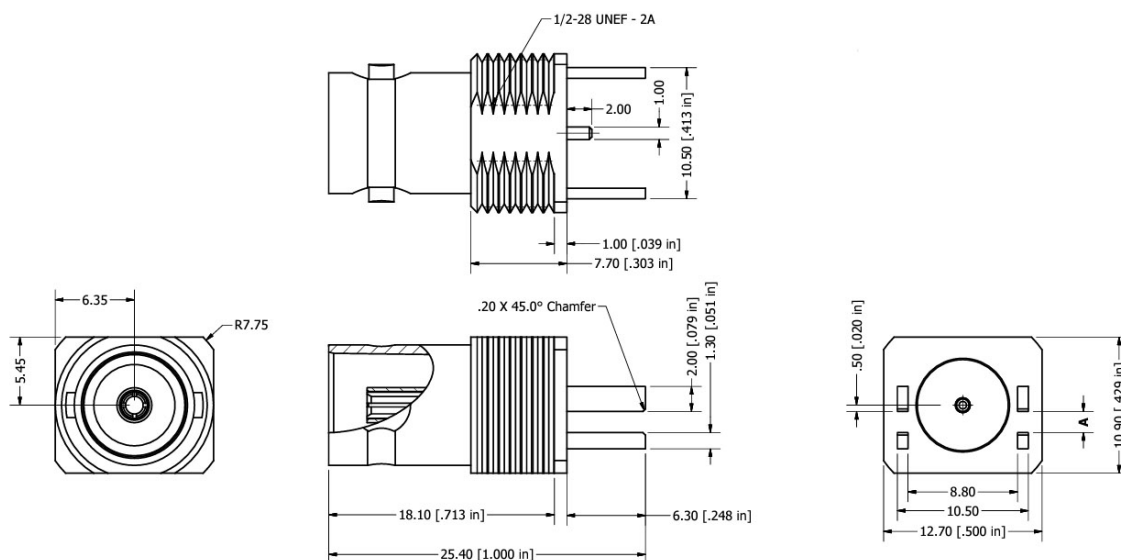


Materials

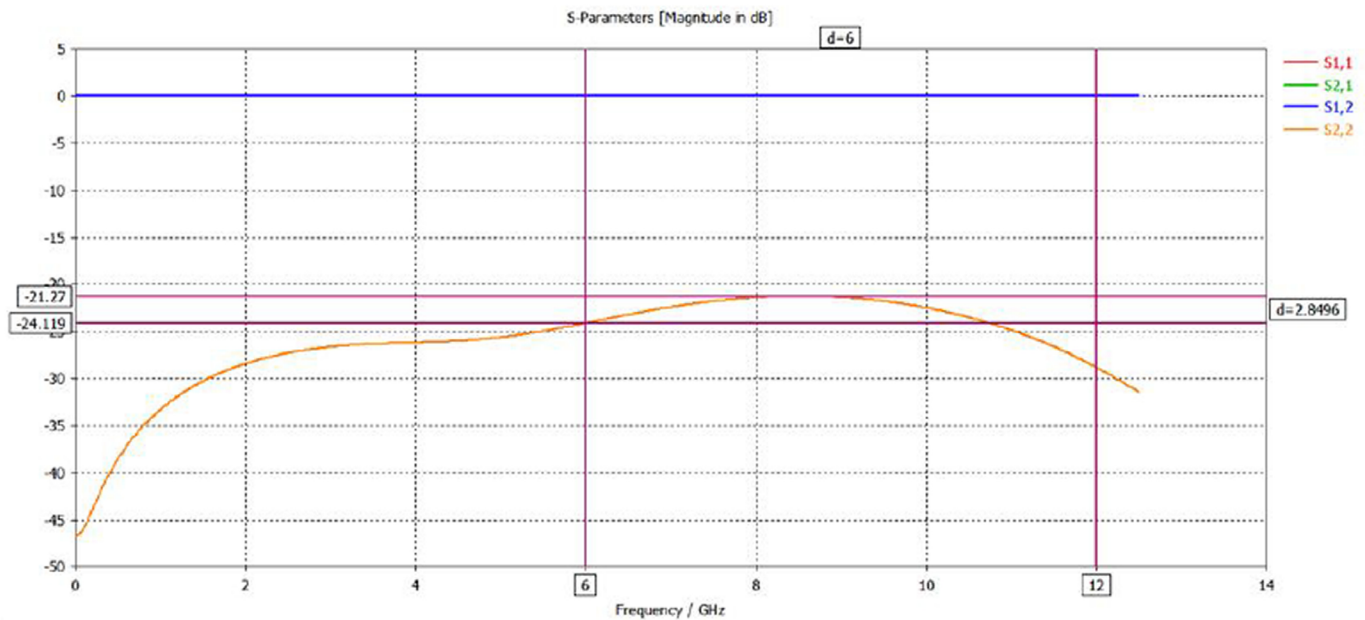
Centre Pin	PhosBronze / 10 μ" Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	200



Return Loss Graph



PCB Layout and Panel Cutout

