

General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications 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. The XBS-12-EB16-NNS connector is an PCB edge mounting BNC socket for PCB thickness's of 1.6mm



This connector is available as:

XBS-12-EB16-NNS as a connector only part

XBS-12-EB16-NNS-AA supplied with Hex Nut & Washer

XBS-12-EB16-NNS-CA supplied with 2 Slot Circular Nut & Washer

XBS-12-EB16-NNS-FA supplied with 4 Slot Magnetic Circular Nut & Washer

Electrical

Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.12 (max) 0-12GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

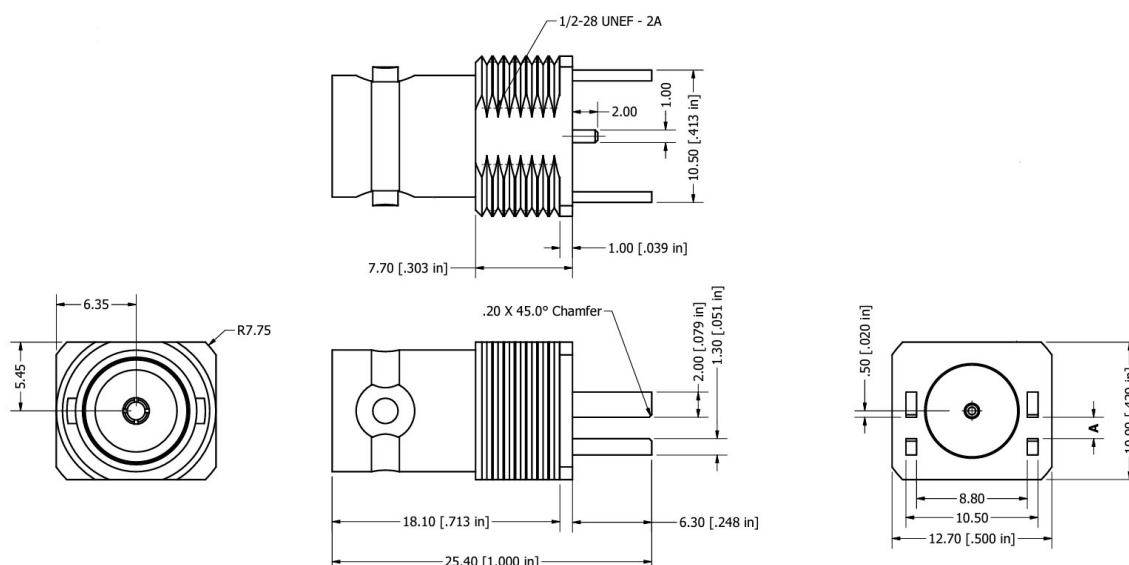


Materials

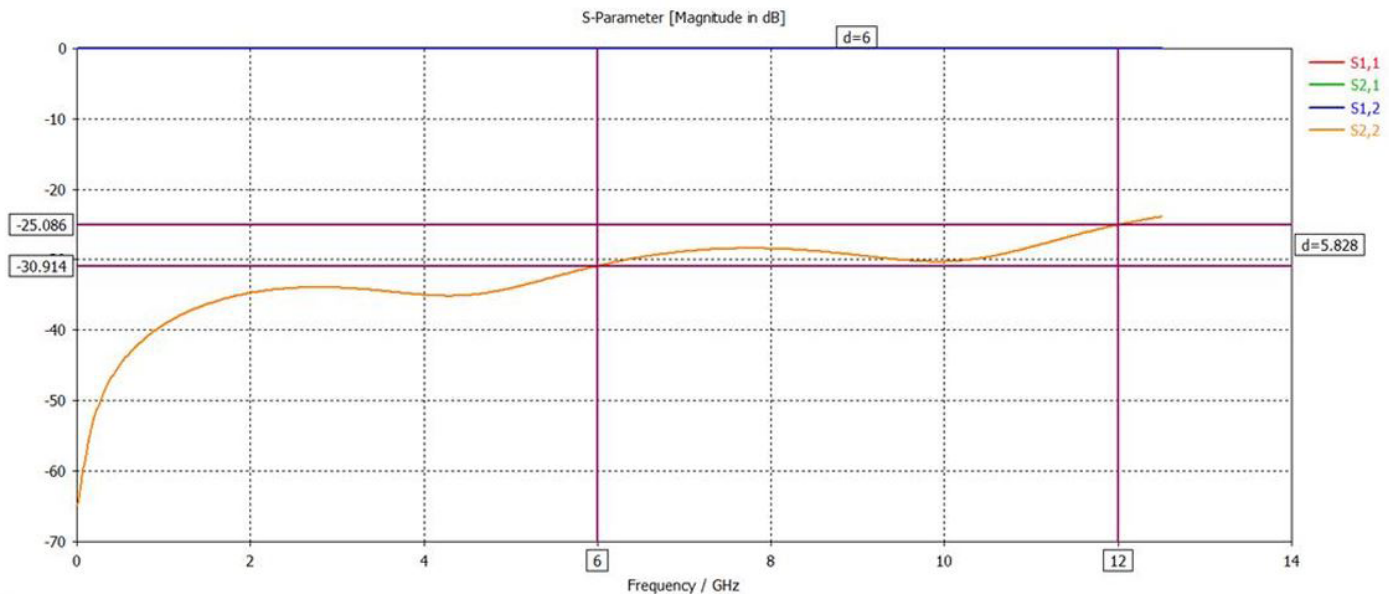
Centre Pin	PhosBronze / 10 μ "Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout and Panel Cutout

