

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 thicknesses of 1.6mm

This connector was formerly sold as:

C-SX-141 when supplied with AWB-S0-ZBN-0.50 and ANB-H0-ABN-2.50

C-SX-141FT when supplied with AWB-S0-ZBN-0.50 and ANB-C4-ASN-2.50

C-SX-160 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)	1.12 (max) 0-12GHz	
Dielectric Withstanding Voltage	1500Vrms	
Insulation Resistance	≥5000MΩ	
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

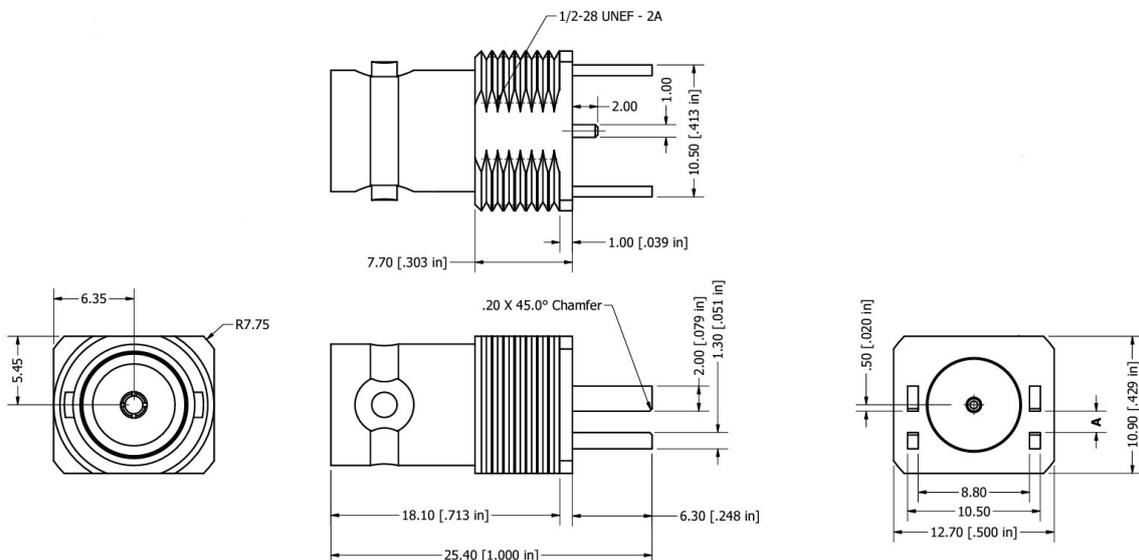


Materials

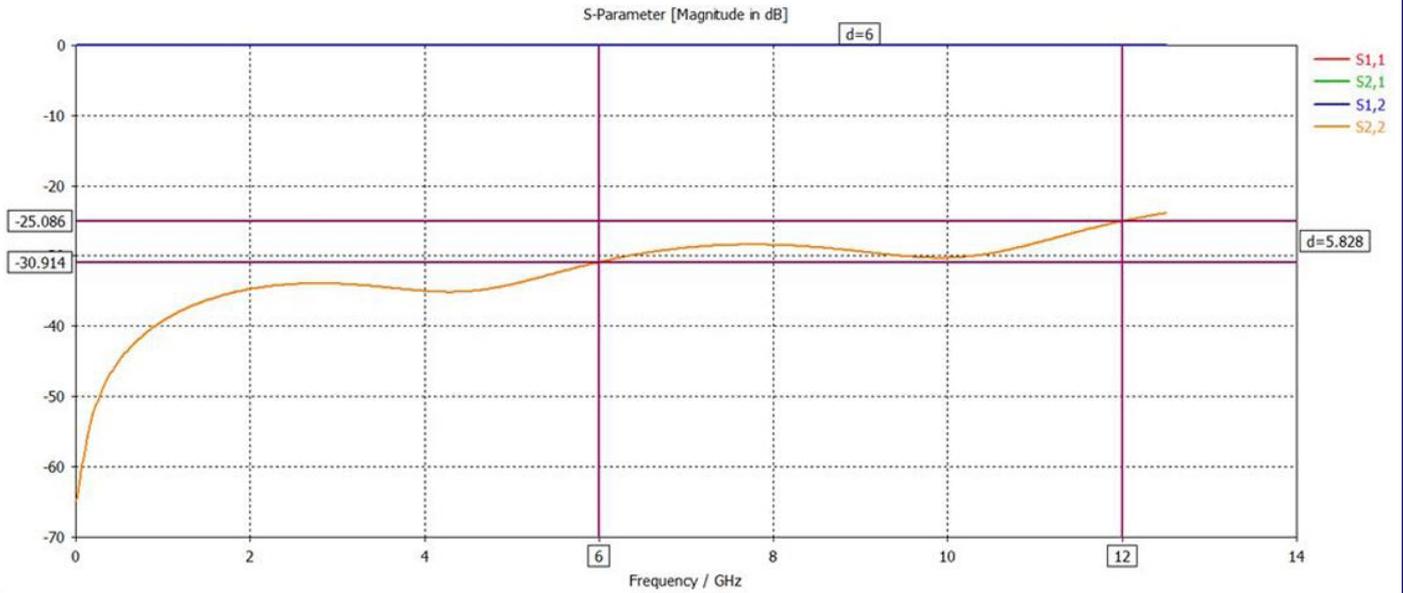
Centre Pin	PhosBronze / 10 μ"Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout and Panel Cutout

