

General Description

Our 12 GHz Precision BNC coaxial connectors are engineered for 4K/Quad HD and Ultra HD broadcast applications and fully compliant with the J11A CoaXPress specification. Delivering a true 12 GHz channel through a single connection, these high-performance connectors ensure uncompromised signal integrity.

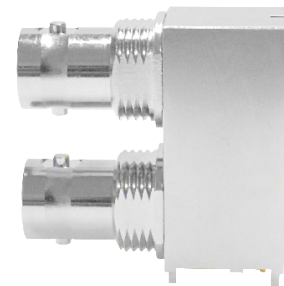
The dual-port BNC connector provides the highest possible packing density for BNC interfaces, eliminating the need for a mezzanine board. Its low-profile design is optimised to fit seamlessly within a 1U rack-mounted unit.

Designed with precision engineering, the connector minimises crosstalk between signal channels while offering ease of use through reflow solderability, making it both robust and production-friendly.



Electrical

Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.15 (max) 0-6GHz 1.43 (max) 6-12GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

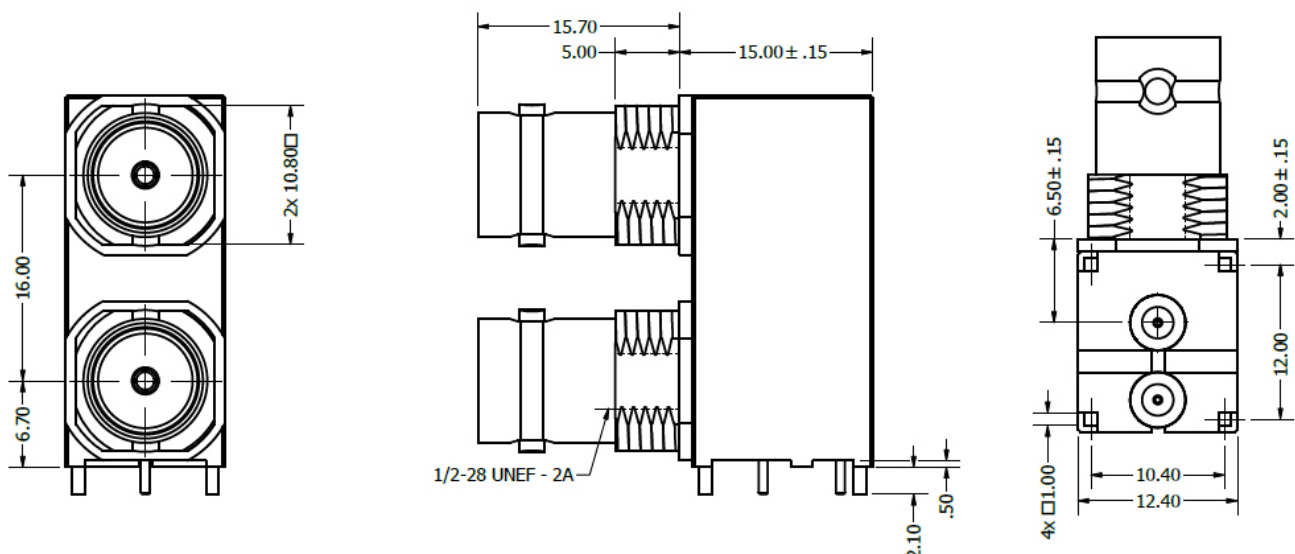


Materials

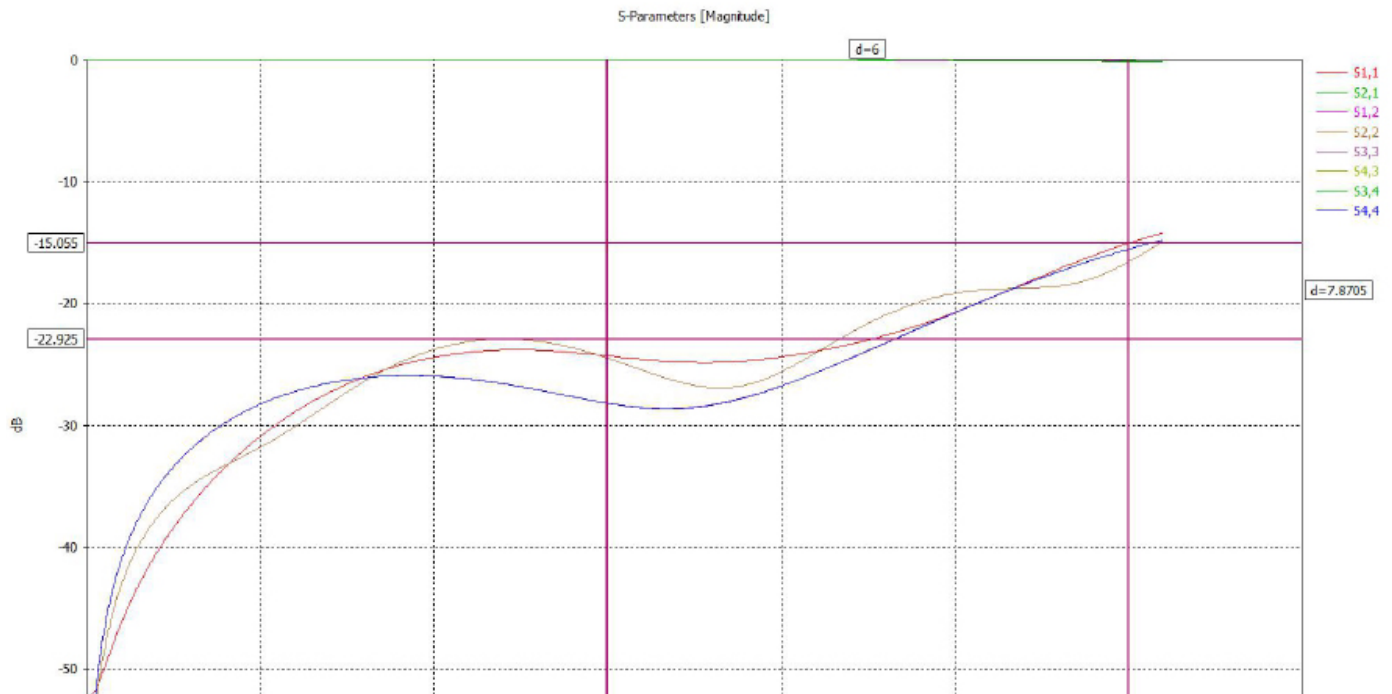
Centre Pin	BeCu / 10 μ"Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

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



Return Loss Graph



PCB Layout and Panel Cutout

