

12GHz Micro BNC Coaxial Connectors

PCB Edge Mounting Micro BNC Bulkhead Socket

Part Number C-SX-155

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 JIJA 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 Connectors 12GHz CoaxVision™ BNC Connectors in both halves. The C-SX-155 connector is a PCB edge mounting Micro BNC bulkhead socket for PCB thicknesses of 2.0mm and is supplied with nut and washer.



Electrical Specification

Impedance: 75Ω
 Frequency Range: 0-12GHz
 Working Voltage: 170Vrms

Dielectric Withstanding

Voltage: 500Vrms

Reflection Factor (VSWR): 1.05^(max)DC - 6.0GHz

1.09^(max)6.0 - 12GHz

Contact Resistance: Centre contact 5.0mΩ

Outer contact 2.5mΩ

Insulation Resistance: >1000M Ω

Connector Type: Female

Materials

Centre Pin: BeCu/10 μ" Au

Metal Parts: Brass/Au

Insulators: PTFE

Environmental

Temp Range: -65 to +85°C

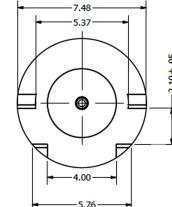
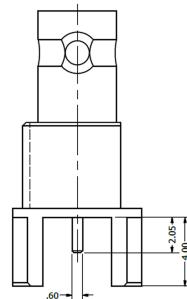
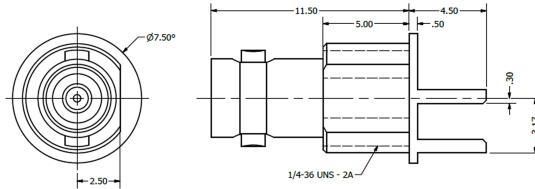
Mating Cycles: 500

Processing

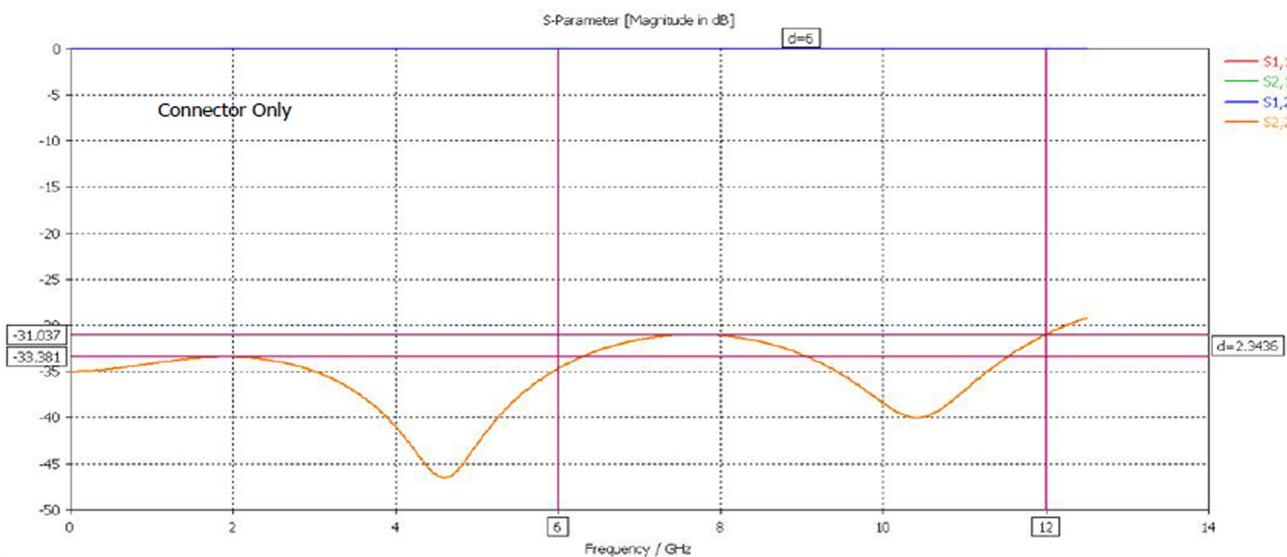
Maximum hand soldering temperature 265°C

Features

- Precision 12GHz 75 Ω Micro BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Precision 75 Ω Micro BNC patch leads also available



12GSDI CoaxVision™



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