

12GHz Micro BNC Coaxial Connectors

Micro BNC Cable Terminated Bulkhead Socket for 12G Applications

Part Number XPT-D003-NGBA

General Description

Our range of 12GHz Precision Micro 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 Micro BNC connectors are mateable with any standard Micro BNC connector, but optimum performance is achieved when PCB mounted styles are interfaced with these Cambridge Connectors 12GHz Micro BNC plugs, designed for use with 12GHz cable (such as Belden 1855A).



The XPT-D003-NGBA connector is a cable mounted Micro BNC bulkhead socket, which can be used with Belden cables for 12G applications.

Electrical Specification

Impedance: 75Ω

Frequency Range: 0-12GHz

Working Voltage: 500Vrms

Dielectric Withstanding

Voltage: 1000Vrms

Contact Resistance: Centre contact $\leq 3\text{m}\Omega$

Outer contact $\leq 2.5\text{m}\Omega$

Insulation Resistance: $\geq 5\text{ G }\Omega$

Connector Type: Female

Materials

Centre Pin: BeCu / 3 $\mu\text{"Au}$

Metal Parts: Brass/Ni

Insulators: PTFE

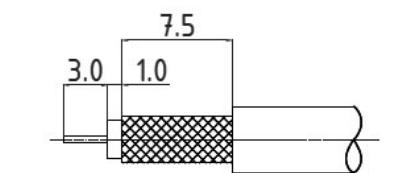
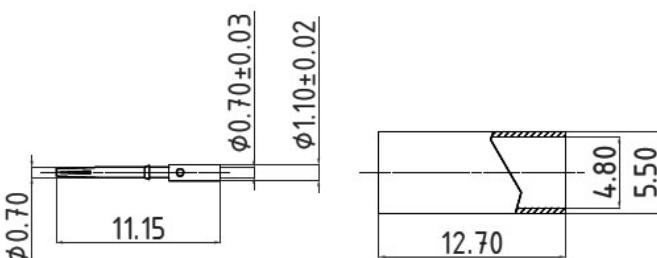
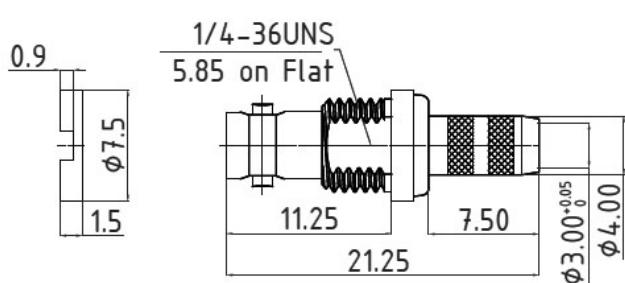
Environmental

Temp Range: -65 to +165°C

Mating Cycles: 500

Features

- Precision 12GHz 75Ω Micro BNC Cable Terminated Connectors
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel



Recommended Cable Stripping Dimensions



Recommended Crimping Dimensions for Ferrule



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