

# 12GHz Micro BNC Coaxial Connectors

## Micro BNC Cable Terminated Socket for 12G Applications

### Part Number XPT-D006-NGBA

#### Issue 1.0

#### 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.

The XPT-D006-NGBA connector is a waterproof cable mounted Bulkhead Micro BNC socket, which can be used with Belden 1855A 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

BeCu / Au plating

Metal Parts:

Brass/Ni

Insulators:

PTFE

O Ring:

Silicon Rubber

Environmental

-65 to +165°C

Temp Range:

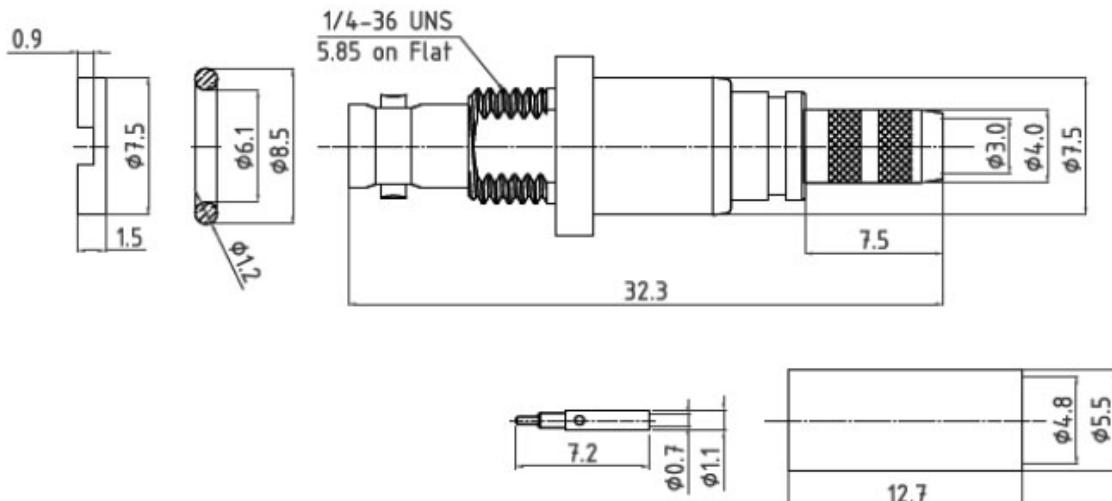
#### Features

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



12GSDI

CoaxVision



Drawing Issue 1.0



CAMBRIDGE  
ELECTRONIC INDUSTRIES

Tel: +44 (0)1223 860041

Tel: +44 (0)1223 863377

Email: [sales@cambridgeelectronics.com](mailto:sales@cambridgeelectronics.com)