

# 12GHz Micro BNC Coaxial Connectors

## Micro BNC Cable Terminated Plug for 12G Applications

### Part Number XPT-D004-NGAS

#### 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 1694A, 4694R with a maximum diameter of 7.95mm).

The XPT-D004-NGAS connector is a cable mounted Micro BNC plug, is a streamlined slimmer body version of our XPT-D001-NGAS.

#### Electrical Specification

Impedance: 75Ω

Frequency Range: 0-12GHz

Working Voltage: 500Vrms

#### Dielectric Withstanding

Voltage: 1000Vrms

Contact Resistance: Centre contact  $\leq 10\text{m}\Omega$

Outer contact  $\leq 3\text{m}\Omega$

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

Connector Type: Male

#### Materials

Centre Pin: BeCu / 2  $\mu\text{"Au}$

Metal Parts: Brass/Ni

Insulators: PTFE

#### Environmental

Temp Range: -65 to +165°C

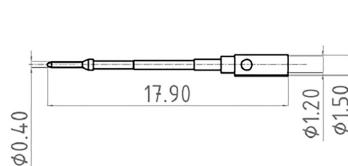
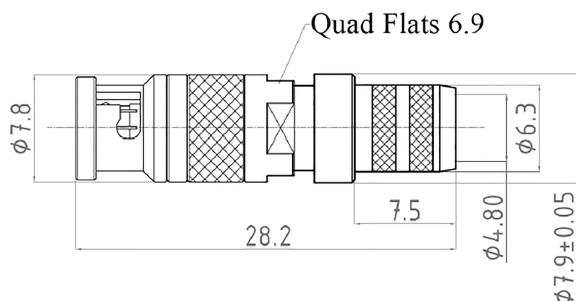
Mating Cycles: 500

#### 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

12GSDI

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