

12GHz BNC Coaxial Connectors

BNC Cable Terminated Socket for 12G Applications

Part Number XBT-1071-NGAS

Issue 1.0

General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and 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 optimum performance is achieved when PCB mounted styles are interfaced with these Cambridge Connectors 12GHz BNC plugs, designed for use with in the AS cable group such as Belden 1694A and 4694R.

The XBT-1071-NGAS connector is a cable mounted BNC plug, which can be used with Belden 1694A and 4694R cables for 12G applications.

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
VSWR:	≤1.2 (0-6GHz) ≤1.3 (6-12GHz)
Contact Resistance:	Centre contact ≤1.5mΩ Outer contact ≤1mΩ
Insulation Resistance:	≥5 G Ω
Connector Type:	Female
Materials	
Centre Pin:	BeCu / Au plating
Metal Parts:	Brass/Ni or Au plating
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +165°C
Mating Cycles:	500

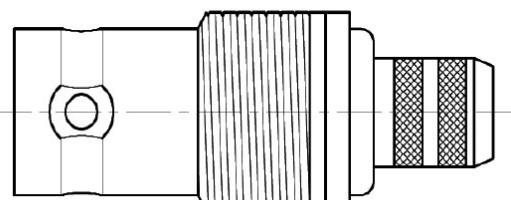
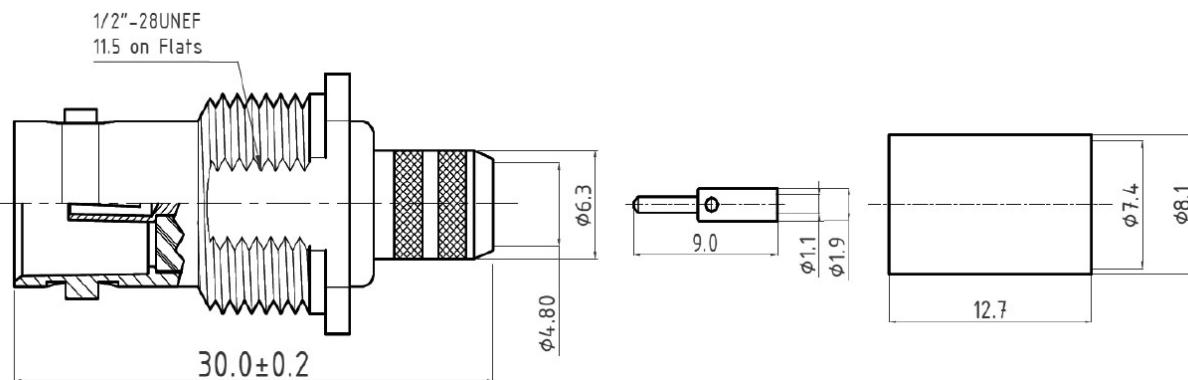
Features

- 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



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