

12GHz BNC Coaxial Connectors

BNC Cable Terminated Socket for 12G Applications

Part Number XBT-1071-NGAF

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 J11A 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 AF cable group such as RG179.

The XBT-1071-NGAf connector is a cable mounted BNC plug, which can be used with RG179 cable for 12G applications.

Electrical Specification

Impedance:	75 Ω
Frequency Range:	0-12GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
VSWR:	≤ 1.2 (0-6GHz) ≤ 1.3 (6-12GHz)
Contact Resistance:	Centre contact $\leq 1.5\text{m}\Omega$ Outer contact $\leq 1\text{m}\Omega$
Insulation Resistance:	$\geq 5\text{ G}\Omega$
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

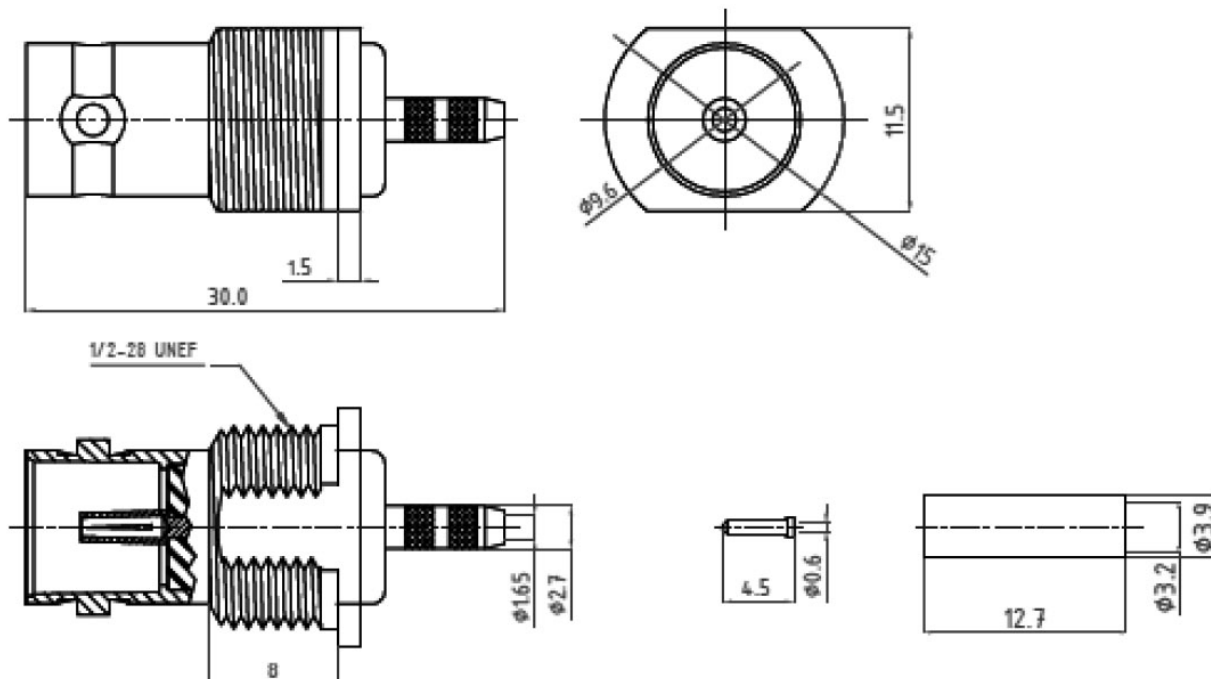
Features

- Precision 12GHz 75 Ω 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