CAMBRIDGE ELECTRONIC INDUSTRIES

75Ω Micro BNC Socket 12GHz IP67 Cable Mount for Cable Group BA Circular Nut & Seal

Part Number XPT-D006-NGBA
Issue 1.1

General Description

The XPT-D006-NGXX is a 12GHz cable mounted socket designed for high frequency broadcast applications, supporting 4K/Quad HD and Ultra HD video transmission in accordance with SMPTE ST 2082 and CoaXPress CXP12 standards.



For optimum high frequency electrical performance, it is recommended that the centre contact is soldered to the cable, providing a reliable low-loss signal connection. Alternatively, the contact can be crimped. The rear ferrule is crimped onto the cable to provide a secure and mechanically robust cable termination suitable for professional broadcast applications.

The XPT-D006-NGBA connector is a cable mounted Micro BNC free socket, for cables in the BA group, which includes Belden 1855A & 4855R as well as Mini RG59 size cables. The connector features a waterproof seal which can be used against a panel mount, to avoid the ingress of moisture or dust.

Electrical

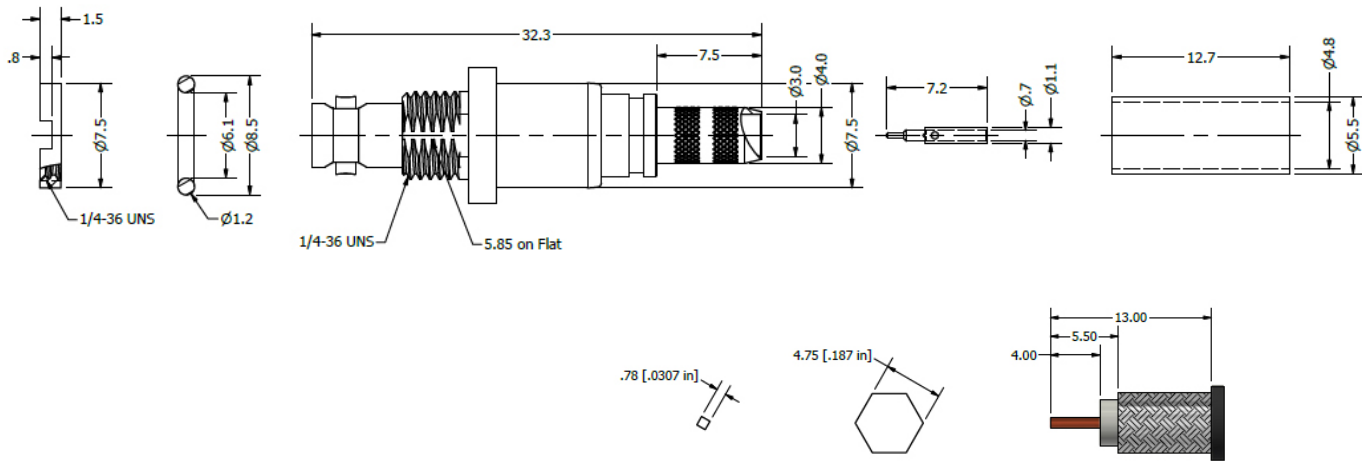
Impedance		75Ω
Frequency Range		0-12GHz
Working Voltage		500Vrms
Dielectric Withstanding Voltage		1000Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 3.0mΩ
	Outer Contact	≤ 2.5mΩ

Materials

Centre Pin	Beryllium Copper / Au
Metal Parts	Brass/Ni
Insulators	PTFE
O Ring	Silicone

Environmental

Connector Type	Micro BNC Female
Temp Range	-65 to +165°C



XPT-D006-NGBA - Drawing and Cable Preparation (Issue 1.1)

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