

General Description

The XBT-1066-NGAS is a 6GHz cable mounted socket designed to meet the requirements of SMPTE ST 2081 and CoaXPress CXP6 standards.

The connector is suitable for cables in the AS cable group, including Belden 1694A, 1694F and 4694R as well as Canford SDV F-R and SDV-XF, and other cables in the RG6 size range.

For optimum electrical performance, the contact is recommended to be soldered to the cable, although it can also be crimped. The rear ferrule is crimped onto the cable to provide a strong and secure mechanical connection.



Electrical

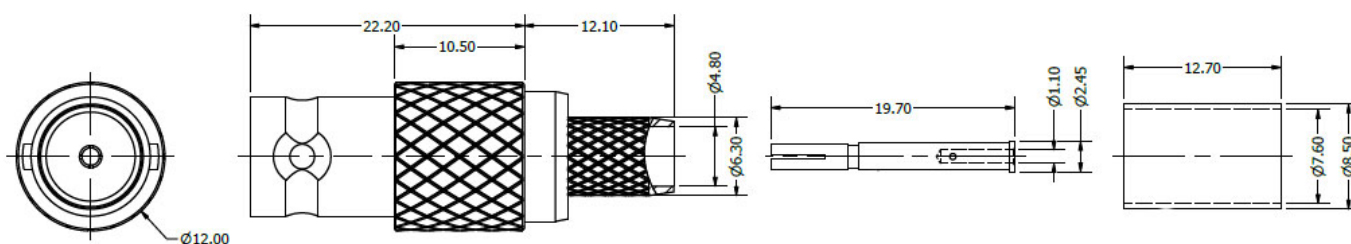
Impedance		75Ω
Frequency Range		0-6GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.19 (max) 0-3GHz 1.22 (max) 3-6GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 2.5mΩ

Materials

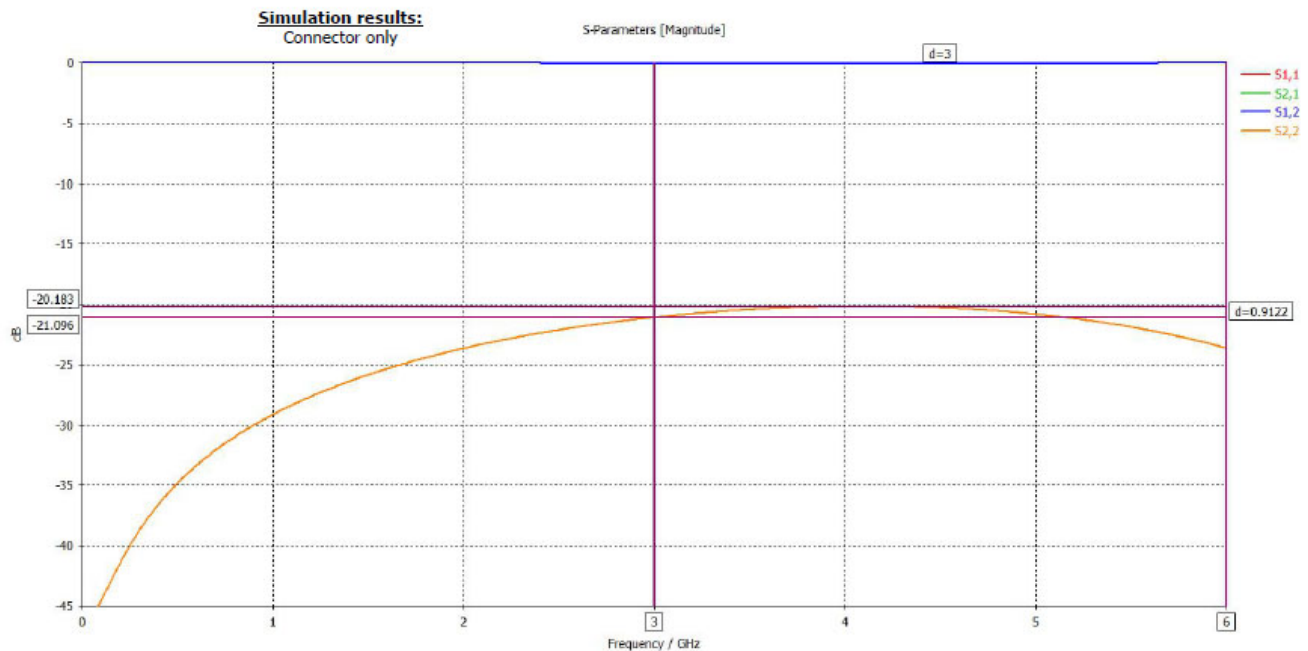
Centre Pin	PhosBronze / Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

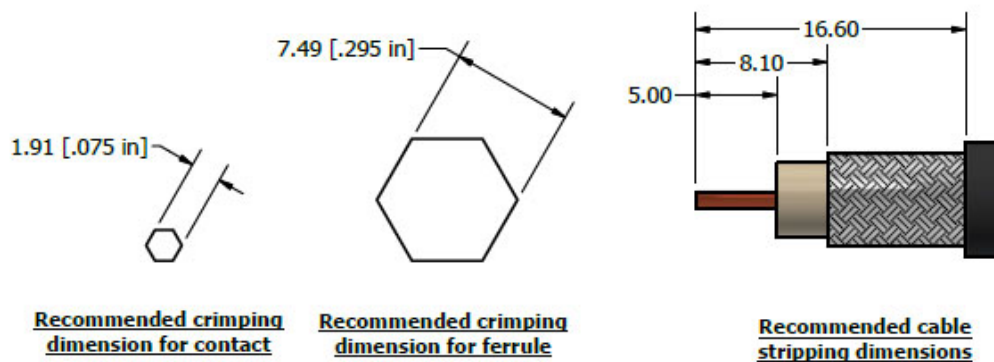
Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	250



Return Loss Graph



Recommended Tools Sizes and Strip Lengths



General Description

The XBT-1066-NGBA is a 6GHz cable mounted socket designed to meet the requirements of SMPTE ST 2081 and CoaXPress CXP6 standards.

The connector is suitable for cables in the BA cable group, including Belden 1855A, Belden 4855R, Mini RG9, and other cables within the same size range.

For optimum electrical performance, the contact is recommended to be soldered to the cable, although it can also be crimped. The rear ferrule is crimped onto the cable to provide a strong and secure mechanical connection.



Electrical

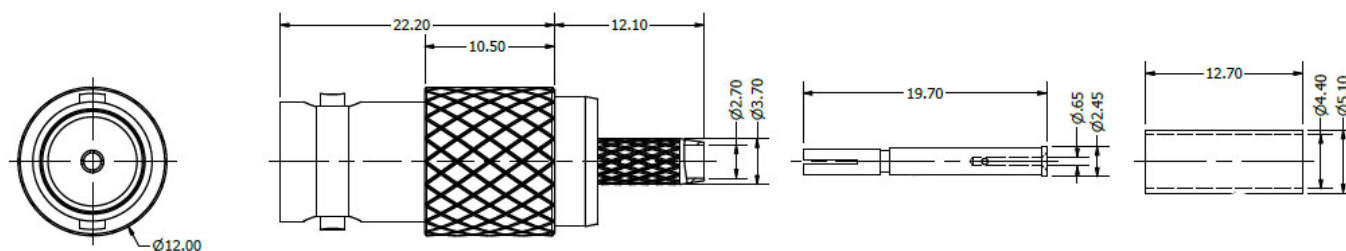
Impedance		75Ω
Frequency Range		0-6GHz
Working Voltage		500Vrms
Reflection Factor (VSWR)		1.15 (max) 0-3GHz 1.19 (max) 3-6GHz
Dielectric Withstanding Voltage		1500Vrms
Insulation Resistance		≥5000MΩ
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 2.5mΩ

Materials

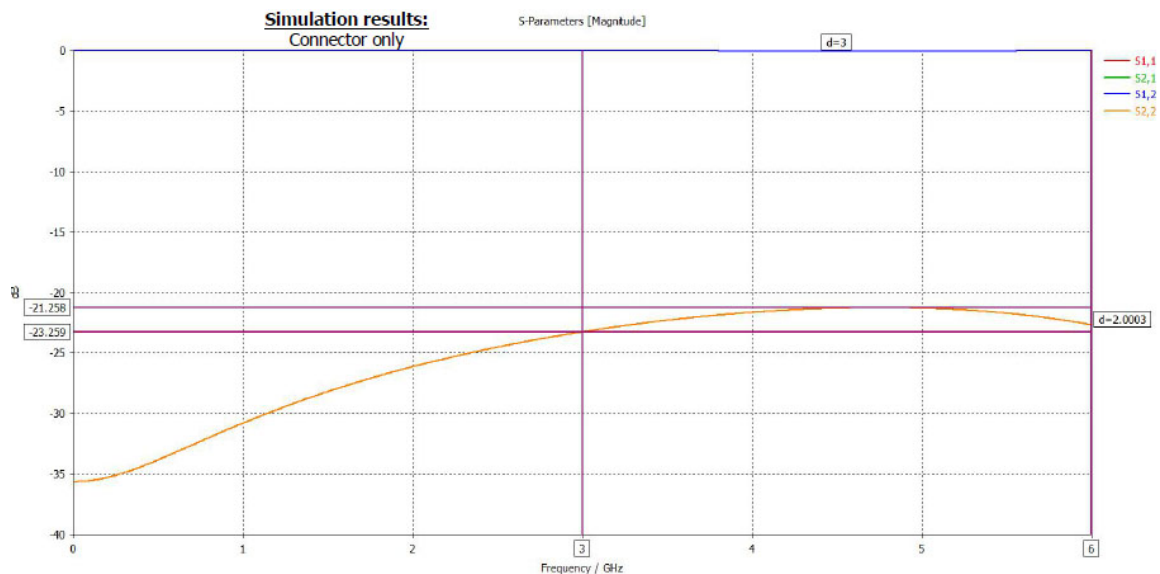
Centre Pin	PhosBronze / Au
Metal Parts	Brass/Ni
Insulators	PTFE

Environmental

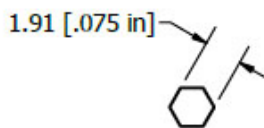
Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	250



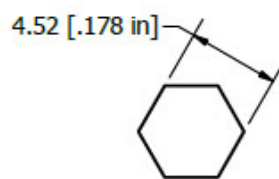
Return Loss Graph



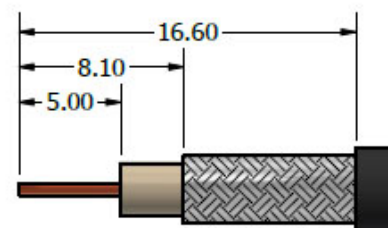
Recommended Tools Sizes and Strip Lengths



**Recommended crimping
dimension for contact**



**Recommended crimping
dimension for ferrule**



**Recommended cable
stripping dimensions**