

# 12GHz BNC Coaxial Connectors

## PCB Edge Mounting Bulkhead Mounted Connector

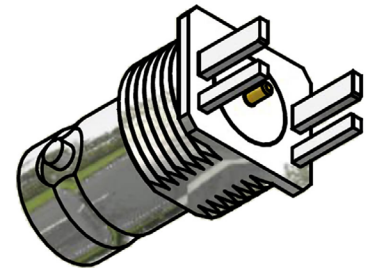
### Part Number C-SX-141

#### Issue 1.1

#### General Description

Our range of 12GHz Precision 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 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 to achieve optimum performance we recommend using Cambridge Connectors 12GHz CoaxVision™ BNC Connectors in both halves.

The C-SX-141 connector is a PCB edge mounting BNC socket for PCB thicknesses of 1.6mm and is supplied with nut and washer.



#### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor (VSWR):	1.12(max)DC - 12.0GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5000M Ω
Connector Type:	Female

#### Materials

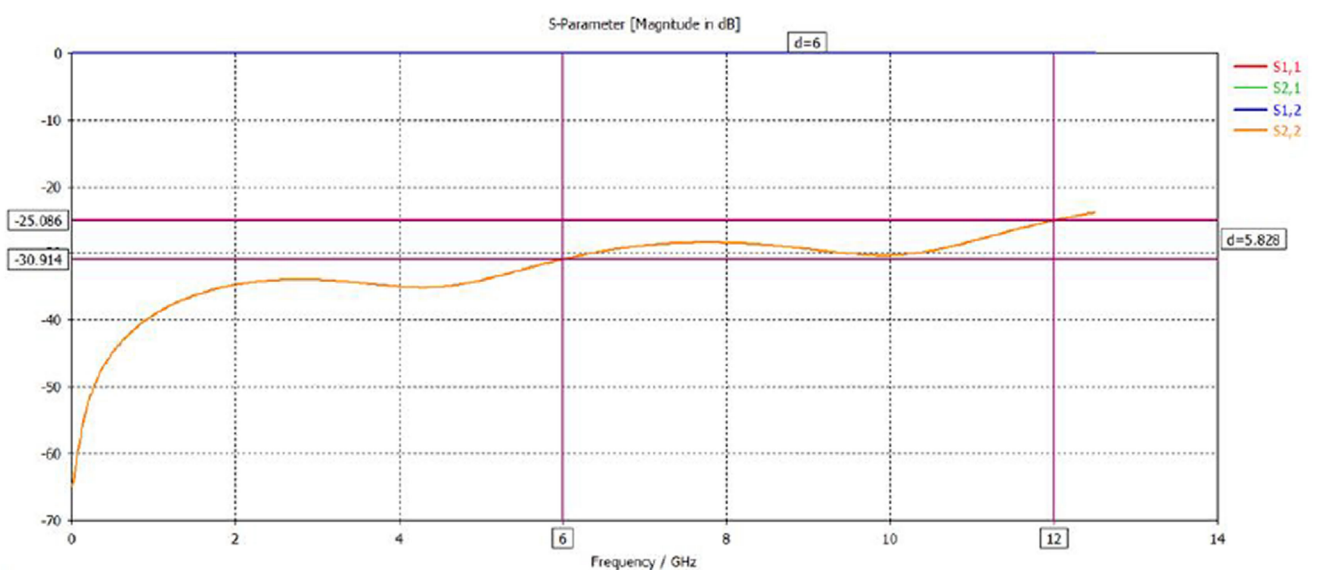
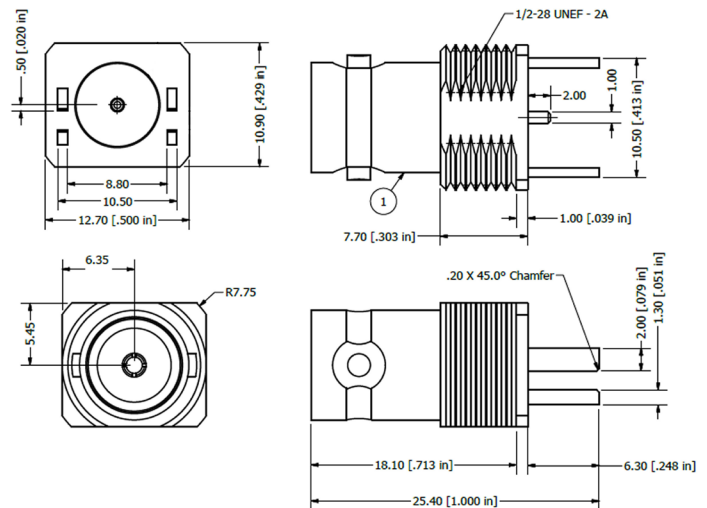
Centre Pin:	Phos/Bronze / 10 μ" Au
Metal Parts:	Brass / Ni
Insulators:	PTFE

#### Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	200

#### Features

- Precision 12GHz 75 Ω BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Precision 75 Ω BNC patch leads also available



Drawing Issue 1.4



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