

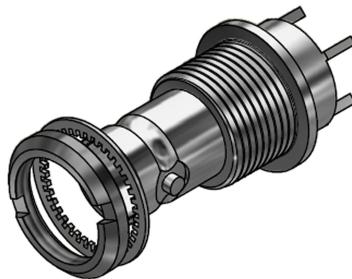
# 6GHz BNC Coaxial Connectors

## Top Entry Bulkhead BNC Connector

### Part Number C-SX-180

#### General Description

The C-SX-180 is a top entry five pin bulkhead mounting BNC connector. This BNC connector is suitable for high speed video applications such as 6G HD- SDI digital broadcast and CoaXPress machine vision. Each connector is supplied with a circular nut and washer.



**6G SDI**

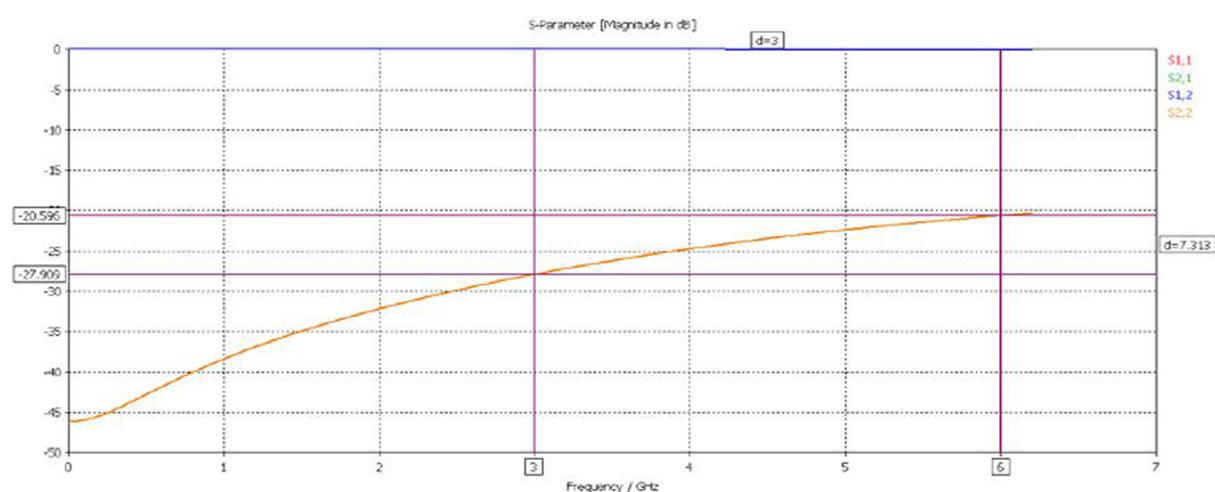
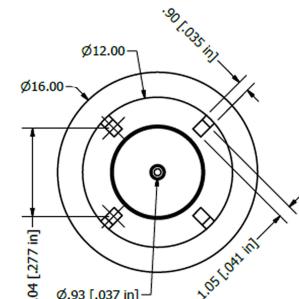
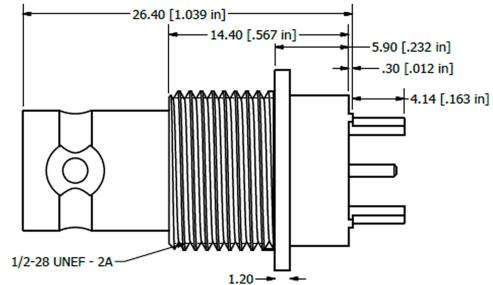
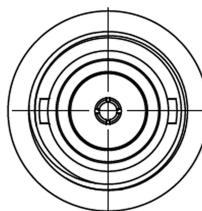
**CoaxVision™**

#### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-6.0GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor (VSWR):	1.08 <sup>(max)</sup> DC - 3GHz 1.20 <sup>(max)</sup> 3 - 6GHz
Contact Resistance:	Centre contact 1.5mΩ Outer contact 1.0mΩ
Insulation Resistance:	>5000M Ω
Connector Type:	Female
Materials	
Centre Pin:	Phosphor Bronze / 10 μAu
Metal Parts:	Brass / Ni
Insulators:	PTFE
Environmental	
Temp Range:	-65 to +85°C
Mating Cycles:	250
Processing	
Maximum wave and hand soldering temperature	265°C

#### Features

- Precision 6GHz 75Ω BNC Connector
- Three Pin Mounting
- Optimised for 6G HD-SDI



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