

# 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.



#### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-6.0GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Reflection Factor <sup>(VSWR)</sup> :	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 μ" Au
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

