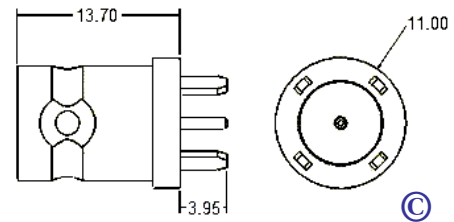


Precision 75 Ohm BNC connectors for HDTV Broadcast Applications Top Entry PCB Mounting Press Fit Hybrid

Features

- Precision 75 Ohm BNC Connector
- Designed for HD SDV applications
- Hybrid design combines advantages of press fit and solder
- Press fit techniques offer unequalled manufacturing economies
- Solder centre contact ensures Precision 75 ohm performance
- RoHS Compliant



Press fit manufacturing techniques allow large numbers of connectors to be pressed simultaneously into a PCB to form a secure electrical and physical bond. This offers considerable economies over traditional solder methods. To exploit the advantages of press fit production methods in HD SDV applications Cambridge Connectors has, using radical internal geometry and specialised materials, developed a hybrid BNC product. This unique Precision 75 ohm BNC connector can be pressed into the PCB in one operation to secure the outer contacts; a further solder operation then provides the Precision 75 ohm bond with the centre contact.

General Description

Straight PCB mounting Precision 75 ohm female press fit BNC connector.

Applications

It is specifically designed for the broadcast industry for use in HDTV, Serial Video applications where accurate 75 ohm connectivity is necessary and where press fit manufacturing processes are adopted.

Specification

Electrical

| | |
|---------------------------------|---|
| Impedance | 75 Ohm |
| Frequency Range | 0 – 3.0 GHz |
| Working Voltage | 500 V _{rms} |
| Dielectric Withstanding Voltage | 1500 V _{rms} |
| Reflection Factor (VSWR) | 1.08 (Max) DC-1.5GHz 1.16 (Max) 1.5GHz-3.0GHz |
| Contact Resistance | Centre contact 1.5 m ohm Outer contact 1.0 m ohm |
| Insulation Resistance | > 5000 Meg Ohm |

*Materials

| | |
|---------------------|--------------------------|
| Centre Pin - female | Phosphor Bronze/10µ " Au |
| Centre Pin - male | Brass |
| Metal Parts | Brass / Nickel |
| Insulators | Teflon® |



C-SX-061

* Other materials such as Gold Plating are available to customer requirement.

Cable terminated Precision 75 ohm BNC connectors and patch leads

To complement these products Cambridge Connectors also produces Precision 75 ohm BNC connectors for a variety of cable types and patch leads in either standard length or built to customer specification.

For more details contact our applications engineers on.

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