Agilent E3669B

F-BNC to F-BNC Panel Kit

For:
E7590A— 1.3 m Instrument Rack
E3661B— 1.6 m Instrument Rack
E3662B— 2.0 m Instrument Rack

Installation Guide

Errata

Agilent References in this manual

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Contents

The E3669B— F-BNC to F-BNC Panel Kit contains the following items.

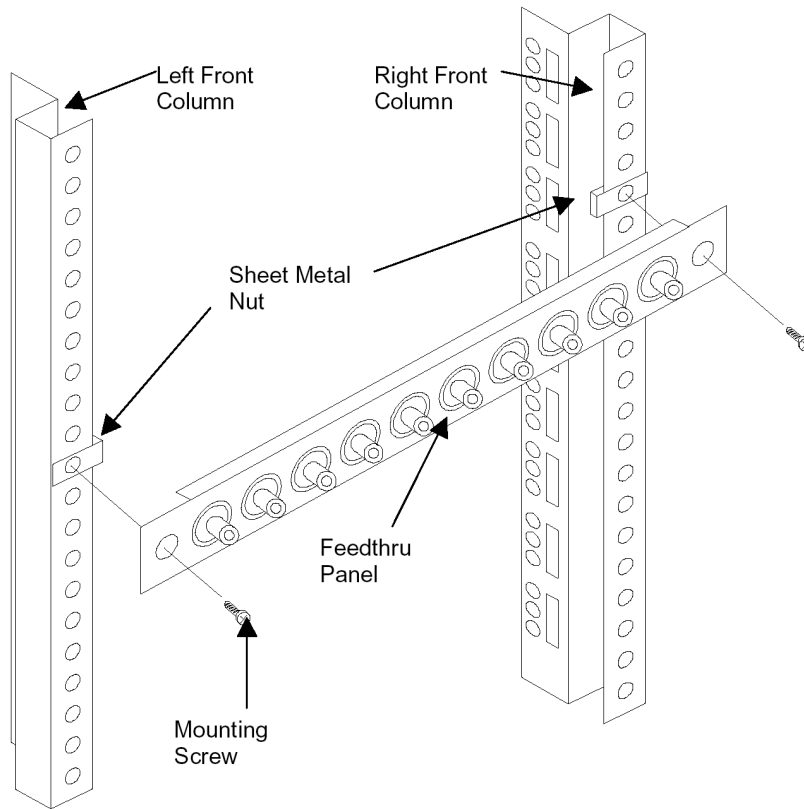| Item	Quantity	Description	Part Number
1	1	BNC Panel Assembly	E3669-60004
2	2	Sheet Metal Nuts (10-32)	0590-0804
3	2	Screw, special, 10-32 x 0.5"	0570-1581

Tools Required

To install the BNC Feedthru Panel Kit, you will need a Phillips screwdriver

Specifications

The following table contains the specifications for the BNC feedthru connector.

Specification	Value
Ground	Outer shield isolated from panel
Nominal Impedance	50 Ohms
Voltage Rating	500 V RMS
Recommended Frequency Range	DC to 300 MHz
Contact Resistance	
Center	1.5 Milliohm (max)
Outer	0,2 milliohm (max)
Contact Finish	Gold plate over nickel plate
Life	Minimum 10,000 insertion/withdrawal cycles
BNC Specifications	Meets MIL-C-39012

Installation Procedure

Refer to the illustration above. The BNC panel occupies 1 EIA unit (44 mm). The panel is designed to attach to the center hole within the EIA envelope.

1. Locate the appropriate holes on the front columns of the rack.

2. Position the two sheet metal nuts over the appropriate holes in the front columns.

3. Attach the BNC panel to the front columns of the rack using two screws.

4. Attach BNC cables to the inside and outside of the BNC panel (as required).

Warning The BNC feedthru panel is intended for transmitting only data signals. To reduce the risk of electrical hazard do not transmit power using this panel.

Warning The feedthru panel BNC connectors are not grounded. The customer must verify that their system is properly grounded. Failure to do so may result in an electrical hazard.

This completes installation of the BNC Panel Kit.

Place this *Note* with your rack documentation.