



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



Agilent Technologies

November 2001
Printed in U.S.A. E1101



E3669-90002

Notice

The information contained in this document is subject to change without notice.

AGILENT TECHNOLOGIES MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Agilent Technologies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material. This document contains proprietary information, which is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of Agilent Technologies.

Copyright © 1998, 2001 Agilent Technologies, Inc.

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

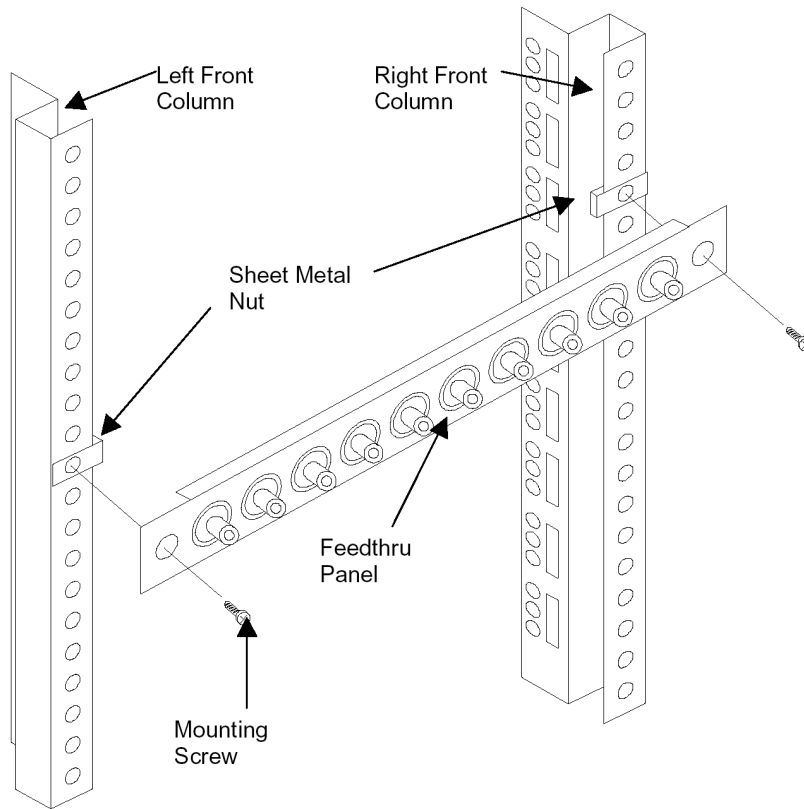
To install the BNC Feedthru Panel Kit, you will need a Phillips screwdriver

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.