

Up to 120 MHz (4-Terminal Pair) Lead Components

16047E Test Fixture



Terminal Connector: 4-Terminal Pair, BNC

DUT Connection: 2-Terminal

Dimensions (approx.):

135 (W) x 40 (H) x 65 (D) [mm]

Weight (approx.): 200 g

Additional Error:

Type of Error	Impedance
Proportional Error $f \leq 15$ MHz	$0.2 \times (f/10)^2$ [%]
Proportional Error $f > 15$ MHz	$4 \times (f/100)$ [%]
Open Repeatability	$2 n + 10 \mu \times (f/100)$ [S]
Short Repeatability	$2 m + 600 m \times (f/100)$ [Ω]

f: [MHz]

Description: This test fixture is designed for impedance evaluation of lead type devices up to 120 MHz. A guard terminal is available for three terminal devices and a shorting plate comes secured on this fixture.

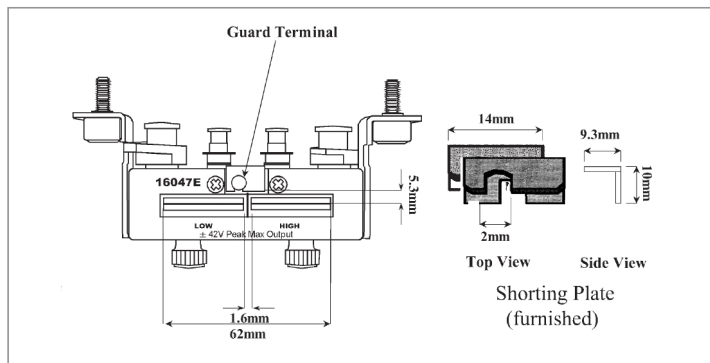
Applicable Instruments: 4285A, E4980A/AL, E4981A, E4990A, E5061B-3L3/3L4/3L5 with Opt. 005

Frequency: DC to 120 MHz

Maximum Voltage: ± 42 V peak max.(AC+DC)

Operating Temperature: -20°C to 75°C

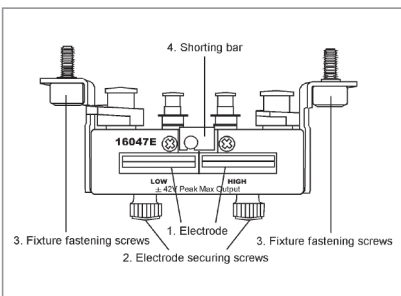
DUT Size: See figure below with 16047E's electrode size.



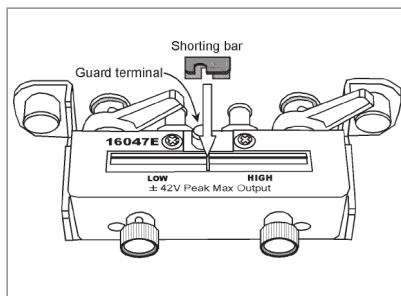
Furnished Accessories:

Description	P/N	Qty.
Angle (right-side)	16047-01221	1
Angle (left-side)	16047-01222	1
Screws	0515-1229	4
Shorting Plate	16047-00621	1
Operating and Service Manual	16047-90040	1

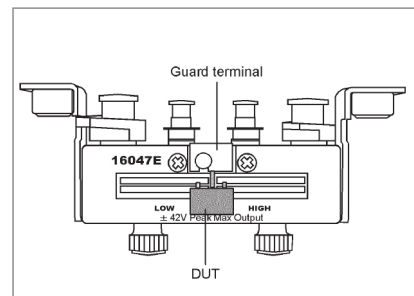
Compensation and Measurement: Open and short compensations are recommended before measurement. Short compensation is performed by shorting the contacts of the test fixture with a shorting plate. After performing open and short compensations, the DUT is connected to the test fixture. The following figures show how compensation and measurement are performed.



Test fixture overview



Connecting a shorting plate



Measuring 3-Terminal device