

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

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.

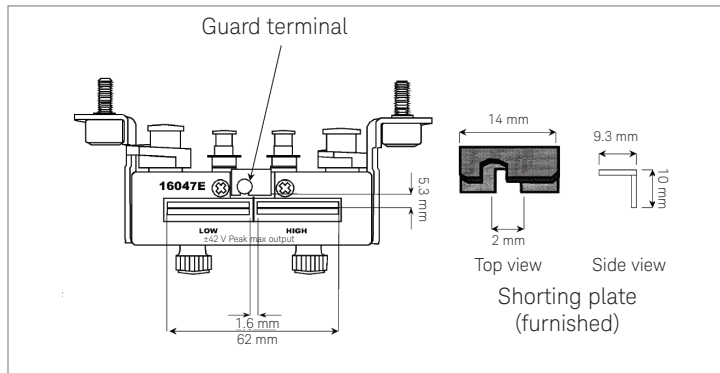
Applicable instruments: E4980A/AL, E4981A, E4990A, E5061B-3L3/3L4/3L5 with Opt. 005

Frequency: DC to 120 MHz

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

Operating temperature: -20 to 75°C

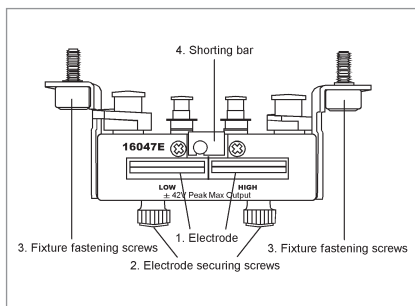
DUT size: See figure below with 16047E's electrode size.



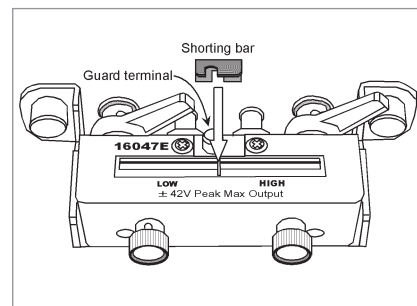
Furnished accessories:

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

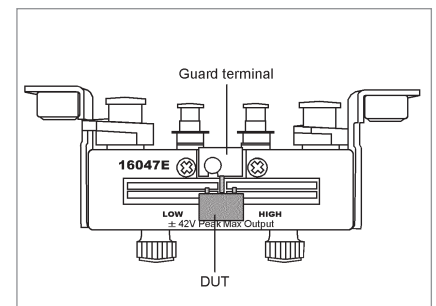
Compensation and measurement: Open and short compensations are recommended before measurement. Short compensation is performed by shorting the contacts of the test fixture with a shorting plate. After performing open and short compensations, the DUT is connected to the test fixture. The following figures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



Test fixture overview



Connecting a shorting plate



Measuring 3-Terminal device

