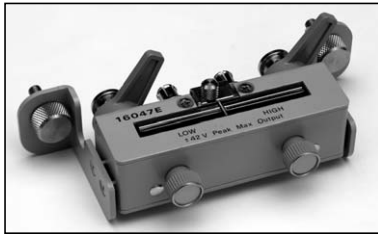


## 16047E Test Fixture



**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	$2 m + 600 m \times (f/100)$ [ $\Omega$ ]

f: [MHz]

**Description:** This test fixture is designed for impedance evaluation of lead type devices up to 110 MHz. A guard terminal is available for three terminal devices and a shorting plate comes secured on this fixture.

**Applicable Instruments:** 4263B, 4268A, 4279A\*, 4284A\*, 4285A, 4288A, 4294A, E4980A, E4981A

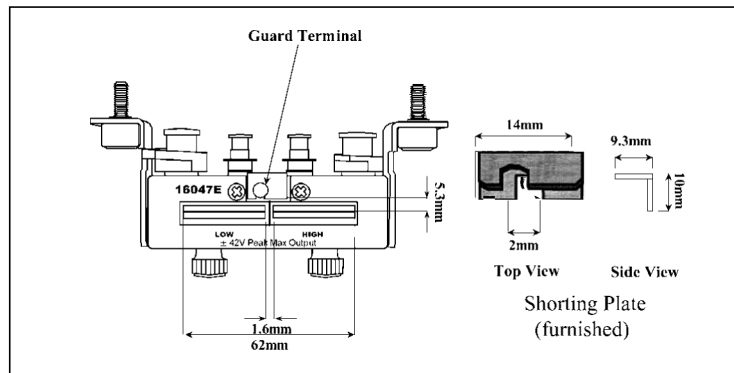
\* denotes the instrument is obsolete.

**Frequency:** DC to 110 MHz

**Maximum Voltage:**  $\pm 42$  V peak max.(AC+DC)

**Operating Temperature:**  $-20^\circ\text{C}$  to  $75^\circ\text{C}$

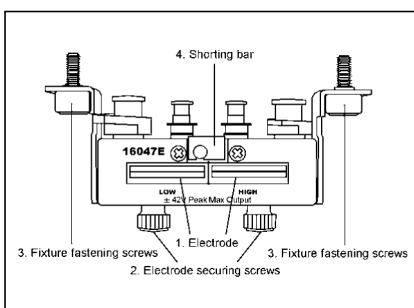
**DUT Size:** See figure below with 16047E's electrode size.



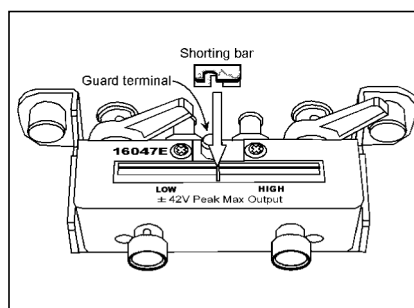
### Furnished Accessories:

Description	P/N	Qty.
Angle (right-side)	16047-01221	1
Angle (left-side)	16047-01222	1
Screws	0515-0914	4
Shorting Plate	16047-00621	1
Operation and Service Manual	16047-90040	1

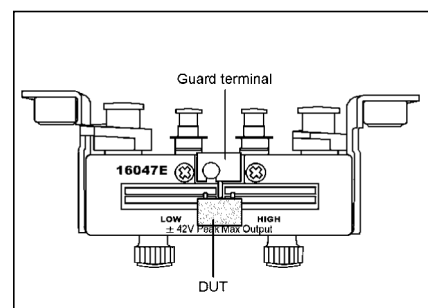
**Compensation and Measurement:** Open and short compensations are recommended before measurement. Short compensation is performed by shorting the contacts of the test fixture with a shorting plate. After performing open and short compensations, the DUT is connected to the test fixture. The following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



Test fixture overview



Connecting a shorting plate



Measuring 3-Terminal device