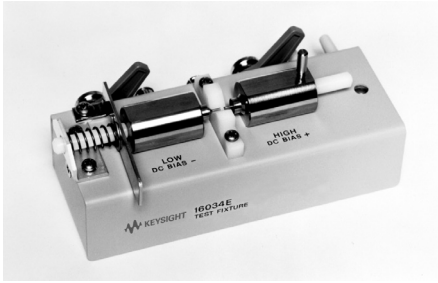


# Up to 120 MHz (4-Terminal Pair): SMD

## 16034E Test fixture



**Description:** This test fixture is designed for impedance evaluations of SMD. The minimum SMD size that this fixture is adapted to evaluate is 1.6(L) x 0.8(W) [mm].

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

**Frequency:** DC to 40 MHz

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

**Operating temperature:** 0°C to 55°C

**DUT size:** See figure below

**Terminal connector:** 4-Terminal Pair, BNC

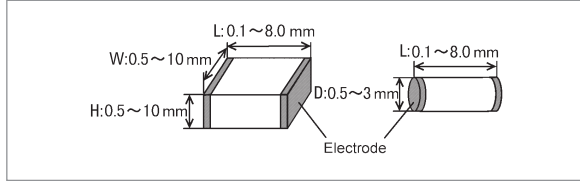
**DUT connection:** 2-Terminal

**Dimensions (approx.):**

128 (W) x 60 (H) x 71 (D) [mm]

**Weight (approx.):** 270 g

**Additional error:**



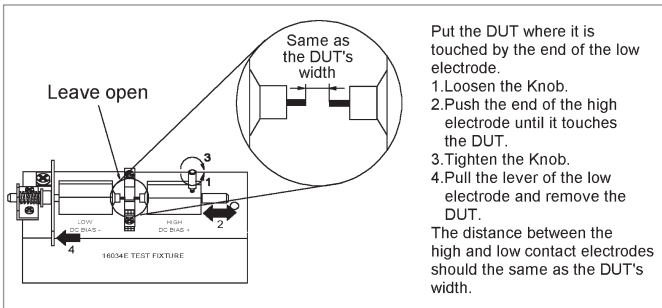
Type of error	Impedance
Proportional error	$\pm 1.5 \times (f/10)^2$

**Furnished accessories:**

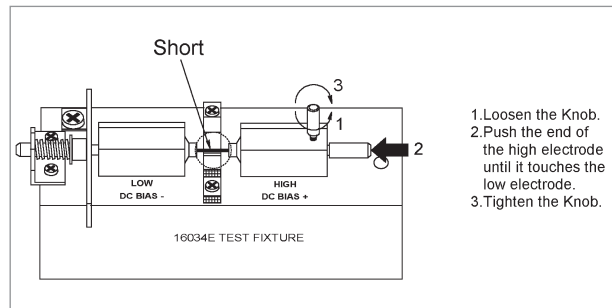
Description	P/N	Qty.
Operating manual	16034-90041	1

f: [MHz]

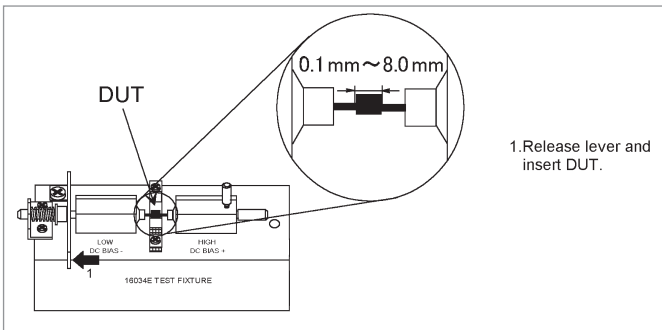
**Compensation and measurement:** Open and short compensations are recommended before measurement. Open compensation is performed by separating the high and low electrodes from each other. The separation should be equivalent in size to the DUT's width. Short compensation is performed by contacting the high and low electrodes together. After performing open and short compensations, the DUT is inserted into the test fixture. The following figures show how compensation and measurement are performed.



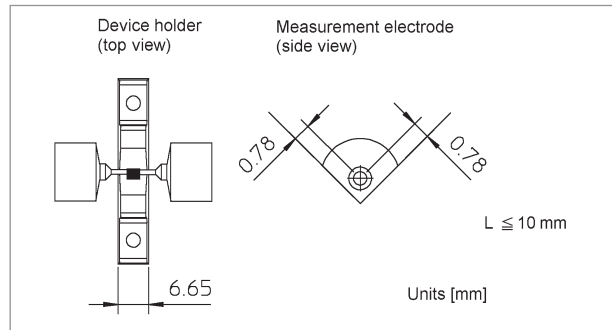
Open compensation



Short compensation



Inserting a DUT



Electrode dimensions

