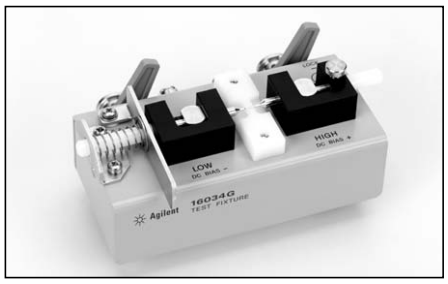
16034G Test Fixture



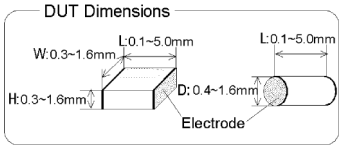
Terminal Connector: 4-Terminal Pair, BNC
DUT Connection: 2-Terminal
Dimensions (approx.):
120(W) x 50(H) x 70(D) [mm]
Weight (approx.): 200 g
Additional Error:

Type of Error	Impedance
Proportional Error	0.5 x (f/10)^2[%]
Open Repeatability	5 + 500 x (f/10) [nS]
Short Repeatability	10 + 13 x (f/10) [mΩ]

f: [MHz]

4284A with 16034G

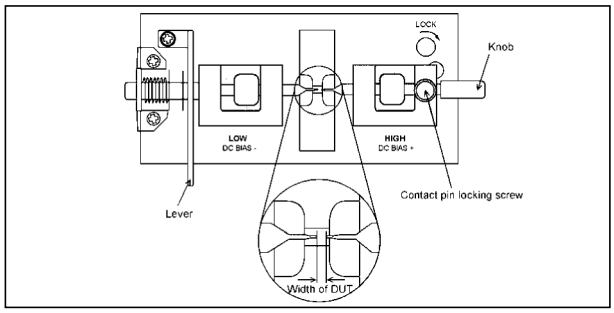
Description: This test fixture is designed for impedance evaluations of SMD. The minimum SMD size that this fixture is adapted to evaluate is 0.6(L) x 0.3(W) [mm].
Applicable Instruments: 4263B, 4268A, 4279A*, 4284A*, 4285A, 4288A, 4294A, E4980A, E4981A
* denotes the instrument is obsolete.
Frequency: DC to 110 MHz
Maximum Voltage: ±40 V peak max (AC+DC)
Operating Temperature: 0°C to 55°C
DUT Size: See figure below



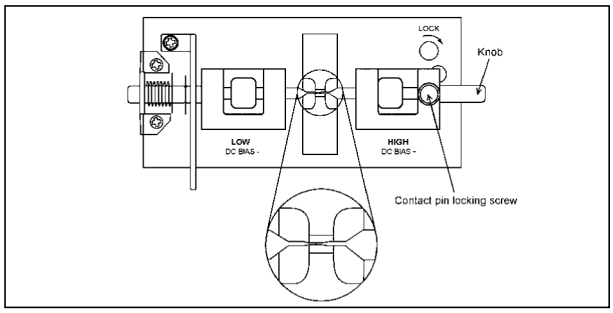
Furnished Accessories:

Description	P/N	Qty.
Case for 100 Ω SMD Resistance	1540-0692	1
100Ω Chip Resistor	0699-2488	10
Operation Manual	16034-90011	1

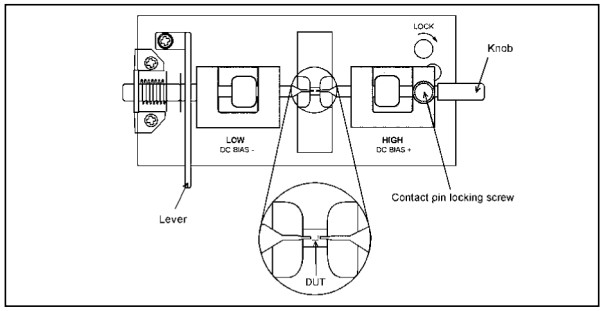
Compensation and Measurement: Open and short compensations are recommended before measurement. When measuring above 3 MHz, load compensation is also recommended. Open compensation is performed by separating the high and the low electrodes from each other. The separation size should be equivalent to the DUT's width. Short compensation is performed placing the high and low electrodes in contact together. Load compensation is performed by using the furnished 100 Ω SMD chip resistor. After performing open, short and load compensations, the DUT is inserted into the test fixture. The following figures show how compensation and measurement are performed.



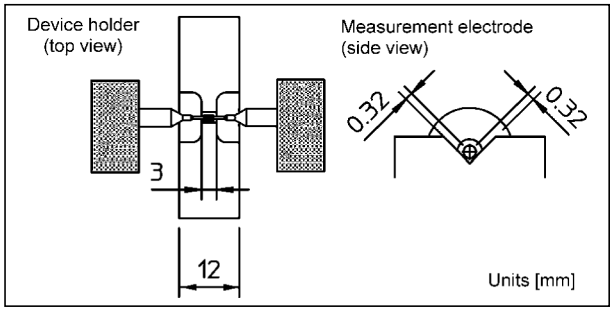
Open compensation



Short compensation



DUT measurement



Dimensions