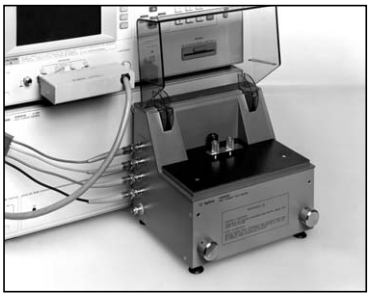
42842C Bias Current Test Fixture



DUT Connection: 2-Terminal
Bias Voltage Output connector: BNC(f)
Dimensions (approx.):
213(W) x 173(H) x 235(D) [mm]
Weight (approx.): 3100 g
Basic Measurement Accuracy:
$\sqrt{f}$ [%] + 4285A's accuracy [%]
f: [MHz]
For detailed information, refer to the operation manual of 42841A.

Description: This test fixture is designed for use with the 42841A. It is connected directly to the bias current output terminals of the 42841A. The following features ensure accurate and safe DC bias measurements:

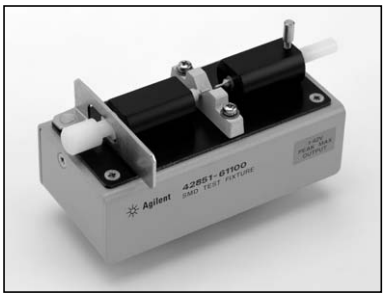
- Clear plastic cover is provided for safe measurements.
- Opening the cover decreases the voltage generated by back-e.m.f. (electromotive force) to a level below 40 V within 0.1 second.
- Heat-sensitive switch prevents DUT from overheating.
- Also equipped with DC bias voltage monitoring

Applicable Instrument: 4285A with Option 4285A-002
Frequency: 75 kHz to 30 MHz
Maximum DC Bias Current: 10 A (2 A max for Option 001 SMD Test Fixture)
Operating Temperature: 0°C to 45°C
DUT Size: Smaller than 60(W) x 50(H) x 60(D) [mm]
Furnished Accessories:

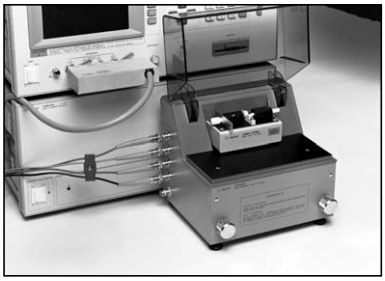
Description	P/N	Qty.
Shorting Plate	42842-00607	1
Operation and Service Manual	42842-90002	1

Options:
42842C-001: Add SMD Test Fixture P/N 42851-61100
Compensation and Measurement: Short compensations is recommended before measurement. Short compensation is performed by shorting the measurement terminals together with the furnished shorting plate. After compensation, connect the DUT to the measurement terminals and close the test fixture cover.

42851-61100 SMD Test Fixture

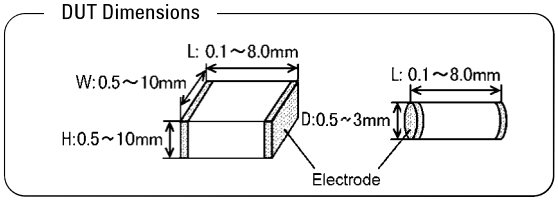


DUT Connection: 2-Terminal
Dimensions (approx.): 122(W) x 60(H) x 58(D)[mm]
Weight (approx.): 145 g



4285A with 42842C and P/N 42851-61100

Description: This test fixture is supplied with Option 42842C-001 for 42842C. It is designed for the 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 Instrument: 4285A with Option 4285A-002
Frequency: 75 kHz to 30 MHz
Maximum Voltage: ±40 V peak max (AC+DC)
Maximum DC Bias Current: 2 A
Operating Temperature: 0°C to 55°C
DUT Size: See figure below



Compensation and Measurement: Refer to the procedure for 16034E.