

KEYSIGHT TECHNOLOGIES (AGILENT HP)

16334A

The Keysight 16334A is a tweezer-type test fixture designed for the impedance measurement of surface mount devices (SMD). It provides a convenient 4-terminal pair connection to compatible LCR meters and impedance analyzers, enabling reliable evaluation of small chip components up to 15 MHz.

SPECIFICATIONS

General

Interfaces	4-Terminal Pair (BNC)
Furnished Accessories	Compensation block, carrying case

Physical

Operating Temperature	0 to 55 °C °C
Weight	0.29 kg kg
Contact Tip Material	Gold-plated

Electrical Specifications

Frequency Range	DC to 15 MHz
Maximum Voltage	±42 V peak max. (AC+DC)

Instrument Connections

Terminal Configuration	4-Terminal Pair
Connector Type to Instrument	BNC (x4)
Cable Length	1 m (approximate)

DUT Compatibility

Supported Component Types	SMD (Surface Mount Devices)
Compatible SMD Case Sizes (Imperial)	Min. 0603 (1.6 mm x 0.8 mm)
Maximum Component Width	10 mm
Contact Method	Tweezer contacts

Calibration and Compensation

Compensation Support	Open and Short compensation
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Instrument Compatibility

Compatible LCR Meters	E4980A, E4980AL, E4981A, 4263B, 4268A, 4279A, 4284A, 4285A, 4288A
Compatible Impedance Analyzers	E4990A, 4294A

Electrical Characteristics

Residual Resistance (Short)	≤ 1.0 Ω
Residual Inductance (Short)	≤ 2.0 μH
Stray Capacitance (Open - between terminals)	≤ 2.0 pF

Environmental

Operating Humidity	≤ 95% RH (at 40 °C)
Storage Temperature	-40 °C to +70 °C
Storage Humidity	≤ 95% RH (at 40 °C)

TECHNOLOGY

Impedance Measurement Fixture

APPLICATIONS

Surface Mount Device (SMD) Characterization

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.