

KEYSIGHT TECHNOLOGIES (AGILENT HP)

85053B

The Keysight Technologies (formerly Agilent) 85053B is a 3.5 mm verification kit designed to verify the measurement calibration of compatible Vector Network Analyzers (VNAs). Covering a frequency range from 300 kHz to 26.5 GHz, this precision metrology kit contains standard components with traceable measurement data for verifying system performance and ensuring measurement accuracy.

SPECIFICATIONS

Physical

Operating Temperature	20 °C to 26 °C °C
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General Specifications

Frequency Range	300 kHz to 26.5 GHz
Connector Type	3.5 mm (Precision)
System Nominal Impedance	50 Ω
Compatible Calibration Kits	85052B, 85052D
Recommended Calibration Cycle	1 Year

Kit Contents and Standards

Airlines Included	1 x 50 Ω Airline (7.5 cm)
Mismatch Airlines Included	1 x 25 Ω Mismatch Airline (7.5 cm)
Attenuators Included	20 dB and 40 dB attenuators

Electrical Performance

Nominal Attenuation Values	20 dB, 40 dB
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Environmental and Storage

Calibration Reference Temperature	23 °C ± 1 °C
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Metrology and Traceability

Traceability	NIST (National Institute of Standards and Technology)
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Environmental

Storage Temperature Range	-40 °C to +75 °C
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General

Calibration Data Media	USB drive, CD-ROM, or Floppy Disk (depending on manufacture date) containing device S-parameters
Supported Instruments	Keysight/Agilent PNA, ENA, and 8510 series Vector Network Analyzers equipped with verification software

Mechanical Specifications

Recommended Connection Torque	0.9 N-m (8 in-lb)
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APPLICATIONS

Vector Network Analyzer System Verification

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