

KEYSIGHT TECHNOLOGIES (AGILENT HP)

85032B

The Keysight Agilent 85032B is a high-precision 50 ohm Type-N coaxial calibration kit designed for vector network analyzers. Operating from DC to 6 GHz, it includes male and female open, short, and load standards to enable accurate calibration and characterization of devices with Type-N interfaces.

SPECIFICATIONS

Physical

Operating Temperature	15 °C to 35 °C °C
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General Kit Specifications

Connector Interface Type	Type-N
Nominal Impedance	50 Ω
Frequency Range Minimum	DC (0 Hz)
Frequency Range Maximum	6 GHz

Male Open Standard Parameters

Male Open Phase Error Deviation	$\pm 0.501^\circ \pm 0.234^\circ/\text{GHz}$ deviation from nominal (DC to ≤ 6 GHz)
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Male Short Standard Parameters

Male Short Phase Error Deviation	$\pm 0.441^\circ \pm 0.444^\circ/\text{GHz}$ deviation from nominal (DC to ≤ 6 GHz)
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Female Open Standard Parameters

Female Open Phase Error Deviation	$\pm 0.501^\circ \pm 0.484^\circ/\text{GHz}$ deviation from nominal (DC to ≤ 6 GHz)
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Female Short Standard Parameters

Female Short Phase Error Deviation	$\pm 0.490^\circ \pm 0.385^\circ/\text{GHz}$ deviation from nominal (DC to ≤ 6 GHz)
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Fixed Broadband Load Specifications

Fixed Load Return Loss (DC to ≤ 2 GHz)	≥ 49 dB
Fixed Load Return Loss (> 2 to ≤ 3 GHz)	≥ 46 dB
Fixed Load Return Loss (> 3 to ≤ 6 GHz)	≥ 40 dB

Thru and Adapter Specifications

Adapter Option	Precision phase-matched Type-N to 7-mm
Adapter Return Loss (DC to ≤ 6 GHz)	≥ 30 dB

Environmental Specifications

Calibration Reference Temperature Range	23 °C ± 3 °C
Storage Temperature Range	-40 °C to 75 °C
Operating Altitude	< 4,500 m
Storage Altitude	< 15,000 m
Relative Humidity	Non-condensing

Kit Contents

Male Fixed Load Part Number	00909-60011
Female Fixed Load Part Number	00909-60012

Electrical Specifications (Loads)

Male Load Offset Delay	0 ps
Male Load Offset Loss	0 GΩ/s
Female Load Offset Delay	0 ps
Female Load Offset Loss	0 GΩ/s

TECHNOLOGY

Coaxial RF Calibration

APPLICATIONS

VNA Calibration

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