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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85032B Calibration Kit, Type-N, 50 Ohms

Supplemental Adapter RI 8 To 18 GHz: greater than or equal to 28 dB typical Error Corrected Temperature: plus or minus 1 C of measurement calibration temperature Torque Type N: 135 N-cm (12 in-lb) plus or minus 13.5 N-cm Option 003: limited calibration of kit devices to 3 GHz at a service center (85032B only) Error Corrected Temperature: plus or minus 1 C of measurement calibration temperature Torque Type N: 135 N-cm (12 in-lb) plus or minus 13.5 N-cm Option 003: limited calibration of kit devices to 3 GHz at a service center (85032B only) From Keysight 85032B/E 50 ohm Type-N Calibration Kits User's and Service Guide electrical Table 2-3, supplemental Table 2-4, environment, and replaceable-parts list. Option 100 adapters are included only when Option 100 is present.



MODEL

**Agilent / Keysight
85032B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85032B

LISTING

<https://aumictechlabs.com/products/85032b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 85032B is a Type-N, 50 Ohm calibration kit engineered for precise network analyzer calibration across DC to 6 GHz. This kit delivers the open, short, and load standards required for establishing traceable measurement references on instruments with Type-N connectors. Technical Specifications Frequency Range: DC to 6 GHz Connector Type: Type-N, 50 Ohms Load Standards

Return loss ≥ 49 dB ($p \leq 0.00355$) DC to 2 GHz Return loss ≥ 46 dB ($p \leq 0.00501$) above 2 GHz to 3 GHz Return loss ≥ 40 dB ($p \leq 0.01000$) above 3 GHz to 6 GHz Open Standards (Phase Linearity) Male: $\pm 0.501^\circ \pm 0.234^\circ/\text{GHz}$ Female: $\pm 0.501^\circ \pm 0.484^\circ/\text{GHz}$ Short Standards (Phase Linearity) Male: $\pm 0.441^\circ \pm 0.444^\circ/\text{GHz}$ Female: $\pm 0.490^\circ \pm 0.385^\circ/\text{GHz}$ Optional Type-N to 7-mm Adapters (Option 100) Return loss ≥ 30 dB ($p \leq 0.03162$) DC to 6 GHz Four precision phase-matched adapters included Key Features Complete calibration triad: male and female opens, shorts, and matched 50 Ohm loads Pin depth specifications critical for electrical performance; verified using dedicated gaging processes Operating temperature range $+15^\circ\text{C}$ to $+35^\circ\text{C}$ with error correction within $\pm 1^\circ\text{C}$ of calibration temperature Storage temperature range -40°C to $+75^\circ\text{C}$ Environmental rating: 0% to 95% relative humidity (non-condensing) at 40°C Maximum operating altitude 4,500 meters Typical Applications Network analyzer calibration for Type-N connectorized devices and systems from DC through microwave frequencies. Suitable for device characterization, transmission line measurements, and component testing requiring high-fidelity calibration standards. Compatibility & Integration Designed for Agilent/Keysight network analyzers. Option 003 provides calibration to 3 GHz maximum for reduced-frequency applications. All calibration standards are traceable to Type-N mechanical specifications with documented pin depth verification.

85032B Characteristics / Specifications

PARAMETER	VALUE
Model	85032B
Instrument Type	Mechanical calibration kit
Connector Type	50 ohm TypeN Frequency Range: DC to 6 GHz
Kit Contents	Opens Shorts Loads
Load Return Loss Dc To 2 Ghz	greater than or equal to 49 dB (rho less than or equal to 0.00355)
Load Return Loss 2 To 3 Ghz	greater than or equal to 46 dB (rho less than or equal to 0.00501)
Load Return Loss 3 To 6 Ghz	greater than or equal to 40 dB (rho less than or equal to 0.01000)
Female Open Deviation	plus or minus 0.501 deg plus or minus 0.484 deg/GHz from nominal, DC to 6 GHz
Female Short Deviation	plus or minus 0.490 deg plus or minus 0.385 deg/GHz from nominal, DC to 6 GHz
Male Open Deviation	plus or minus 0.501 deg plus or minus 0.234 deg/GHz from nominal, DC to 6 GHz
Male Short Deviation	plus or minus 0.441 deg plus or minus 0.444 deg/GHz from nominal, DC to 6 GHz
Adapter Return Loss Dc To 6 Ghz	greater than or equal to 30 dB (rho less than or equal to 0.03162) Type-N to 7 mm
Supplemental Load Return Loss 6 To 18 Ghz	greater than or equal to 23 dB (rho less than or equal to 0.07079) typical, not warranted
Supplemental Adapter RI Dc To 8 Ghz	greater than or equal to 34 dB typical
Supplemental Adapter RI 8 To 18 Ghz	greater than or equal to 28 dB typical
Operating Temperature	+15 C to +35 C
Storage Temperature	minus 40 C to +75 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Male Load Part	00909-60009
Female Load Part	00909-60010
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm

PARAMETER	VALUE
Return loss	Dc To 2 Ghz: greater than or equal to 49 dB (rho less than or equal to 0.00355)

85032B Specifications

PARAMETER	VALUE
Agilent 85032B 50 Ohm Type N Calibration Kit to 6 GHz	Overview
Applications	OSL calibration of 50 ohm Type-N devices to 6 GHz on Keysight/HP network analyzers.
Key Features	Male and female open, short, and 50 ohm load
Option 003 limited 3 GHz calibration at a service center	Broadband sapphire loads to 6 GHz
Technical Specifications	Model: 85032B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +75 C
Operating temperature	+15 C to +35 C
Operating Temperature	+15 C to +35 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Male Load Part	00909-60009
Female Load Part	00909-60010
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	85032B
Instrument Type	Mechanical calibration kit
Connector Type	50 ohm TypeNFrequency Range: DC to 6 GHz
Kit Contents Opens Shorts Loads	male and female open, short, and 50 ohm load
Option 100 Adapters: two Type-N-male to 7 mm and two Type-N-female to 7 mm	
Specifications	
PARAMETER	VALUE
Load Return Loss Dc To 2 Ghz	greater than or equal to 49 dB (rho less than or equal to 0.00355)
Load Return Loss 2 To 3 Ghz	greater than or equal to 46 dB (rho less than or equal to 0.00501)
Load Return Loss 3 To 6 Ghz	greater than or equal to 40 dB (rho less than or equal to 0.01000)
Female Open Deviation	plus or minus 0.501 deg plus or minus 0.484 deg/GHz from nominal, DC to 6 GHz
Female Short Deviation	plus or minus 0.490 deg plus or minus 0.385 deg/GHz from nominal, DC to 6 GHz
Male Open Deviation	plus or minus 0.501 deg plus or minus 0.234 deg/GHz from nominal, DC to 6 GHz
Male Short Deviation	plus or minus 0.441 deg plus or minus 0.444 deg/GHz from nominal, DC to 6 GHz
Adapter Return Loss Dc To 6 Ghz	greater than or equal to 30 dB (rho less than or equal to 0.03162) Type-N to 7 mm
Supplemental Load Return Loss 6 To 18 Ghz: greater than or equal to 23 dB (rho less than or equal to 0.07079) typical, not warranted	
Specifications	
PARAMETER	VALUE
Supplemental Adapter Rl Dc To 8 Ghz	greater than or equal to 34 dB typical
Supplemental Adapter Rl 8 To 18 Ghz	greater than or equal to 28 dB typical
Operating Temperature	+15 C to +35 C
Storage Temperature	minus 40 C to +75 C

PARAMETER	VALUE
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Male Load Part	00909-60009
Female Load Part	00909-60010
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm

Option 003: limited calibration of kit devices to 3 GHz at a service center (85032B only)

Notes

From Keysight 85032B/E 50 ohm Type-N Calibration Kits User's and Service Guide electrical Table 2-3, supplemental Table 2-4, environment, and replaceable-parts list. Option 100 adapters are included only when Option 100 is present.

Ordering Information

OPTION	DESCRIPTION
Option 100	adds four Type-N to 7 mm adapters
Option 003	limited 3 GHz calibration at a service center

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.