

RF Connectors

Test Ports: 50 Ω Type-N (female)
75 Ω Type-N (female) (Opt 075)

Physical Characteristics

Size: 178 mm H $\times$ 425 mm W $\times$ 508 mm D (7.0 in $\times$ 16.75 in $\times$ 20.0 in)
Weight: Net, 25 kg (56 lb); shipping, 28 kg (63 lb)

Upgrade Kits**HP 11885A 3 GHz Frequency Upgrade Kit**

The HP 11885A upgrade kit adds Option 003 to extend the operating frequency range of the HP 8752C from 1.3 GHz to 3 GHz. Installation at an HP service center is included.

HP 85019C Time Domain Upgrade Kit

The HP 85019C upgrade kit adds time domain analysis capability (Option 010) to an existing HP 8752C network analyzer. This kit is user installable.

HP 11884D 6 GHz Upgrade Kit for HP 8752C

Includes installation at a local HP service center. Not for use with HP 8752C Opt 075.

HP p/n 08752-60019 Step Attenuator Retrofit Kit**Accessories****HP 11878A 3.5 mm Adapter Kit**

The HP 11878A adapter kit provides the RF components generally required when an SMA or 3.5 mm device needs to be measured with the HP 8752C standard Type-N configuration. The kit includes four Type-N to 3.5mm adapters for both male and female connectors.

HP 11853A 50 Ω Type-N Accessory Kit

The HP 11853A accessory kit furnishes the RF components required for measurement of devices with 50 Ω Type-N connectors.

HP 11854A 50 Ω BNC Accessory Kit

The HP 11854A accessory kit furnishes the RF components required for measurement of devices with 50 Ω BNC connectors.

HP 11855A 75 Ω Type-N Accessory Kit

The HP 11855A accessory kit furnishes the RF components required for measurement of devices with 75 Ω Type-N connectors.

HP 11856A 75 Ω BNC Accessory Kit

The HP 11856A accessory kit furnishes the RF components required for measurement of devices with 75 Ω BNC connectors.

Test Port Cables

Additional or replacement cables for the HP 8752C:

HP p/n 8120-4721 Type-N 50 Ω (both connectors male)

HP p/n 8120-2408 Type-N 75 Ω (both connectors male)

HP p/n 8120-2409 Type-N 75 Ω (one male, one female connector)

HP 11852B 50 Ω /75 Ω Minimum Loss Pad

The HP 11852B is a low SWR minimum loss pad required when measurements are made on 75 Ω devices with the HP 8752 network analyzer. Measurements on two port devices require two HP 11852B pads and one 50 Ω Type-N barrel.

Frequency range: dc to 2.0 GHz

Insertion loss: 5.7 dB

Return loss: 75 Ω typically > 30 dB, 50 Ω typically > 26 dB

Connectors: 50 Ω Type-N (f) and 75 Ω Type-N (m) standard, 50 Ω Type-N (m) and 75 Ω Type-N (f) Option 004

Calibration Kits

The calibration kits in the HP 8752C family contain precision standards used in accuracy enhancement procedures to characterize the systematic errors of an HP 8752C measurement system. Standards include fixed terminations, open circuits, and short circuits.

HP 85032B 50 Ω Type-N Calibration Kit

Contains precision 50 Ω Type-N standards used to calibrate the HP 8752C for measurements of devices with 50 Ω Type-N connectors. This kit can also be used to perform system verification. Opt 001 removes the precision phase-matched 7mm to Type-N adapters.

HP 85036B 75 Ω Type-N Calibration Kit

Contains precision 75 Ω Type-N standards used to calibrate the HP 8752B or 8752C Option 075 for measurements of devices with 75 Ω Type-N connectors. This kit can also be used to perform system verification.

HP 85033D 3.5 mm Calibration Kit

Contains precision 3.5 mm standards used to calibrate the HP 8752C network analyzer for measurements of devices with 3.5 mm or SMA connectors. Opt 001 removes the precision phase-matched 7mm to 3.5mm adapters.

HP 85039A Type-F Calibration Kit

Contains fixed load, open and short circuits, and adapters to calibrate the HP 8752C for measurements of devices with 75 Ω Type-F connectors.

For the most current prices and product information, contact your local Hewlett-Packard sales office—see page 691.

Ordering Information

	Price
HP 8752C Network Analyzer	\$22,000
Opt 003 3 GHz Frequency Extension	+ \$4,000
Opt 004 Step Attenuator	+ \$1,000
Opt 006 6 GHz Frequency Extension	+ \$8,000
Opt 010 Time Domain Capability	+ \$5,300
Opt 075 75 Ω Impedance	+ \$0
Opt 802 Add Dual Disk Drive and HP-IB Cable	\$1,745
Opt AFN Add 50 Ω Test Port Cable	\$345
Opt AFP Add 75 Ω Test Port Cable	\$1,100
HP 11885A 3 GHz Frequency Upgrade	\$4,590
HP 85019C Time Domain Upgrade	\$5,410
HP 11884D 6 GHz Upgrade Kit	\$8,500
HP 85032B 50 Ω Type-N Calibration Kit	\$1,940
Opt 001 Deletes 7mm to Type-N adapters	— \$500
HP 85036B 75 Ω Type-N Calibration Kit	\$2,040
HP 85033D 3.5 mm Calibration Kit	\$2,950
HP 85039A Type-F 75 Ω Calibration Kit	\$2,350
HP 11878A 3.5 mm Adapter Kit	\$665
HP 11853A 50 Ω Type-N Accessory Kit	\$510
HP 11854A 50 Ω BNC Accessory Kit	\$510
HP 11855A 75 Ω Type-N Accessory Kit	\$510
HP 11856A 75 Ω BNC Accessory Kit	\$510
HP 11852B 50 Ω /75 Ω Minimum Loss Pad	\$510
Opt 004 50 Ω Type-N (m) and 75 Ω Type-N (f) connectors	+ \$77
HP 8120-4781 50 Ω Type-N Test Port Cable	\$300
HP 8120-2408 75 Ω Type-N Test Port Cable	\$875
HP 85024A High Frequency Probe	\$2,550

☎ For off-the-shelf shipment, call 800-452-4844.

HP 85024A High-Frequency Probe

The HP 85024A high frequency probe makes it easy to perform in-circuit measurements. An input capacitance of only 0.7 pF shunted by 1 megohm of resistance permits high frequency probing without adversely loading the circuit under test. Excellent frequency response and unity gain guarantee high accuracy in swept measurements with this probe. High probe sensitivity and low distortion levels allow measurements to be made while taking advantage of the full dynamic range of HP RF analyzers. Spectrum analyzers that supply probe power from the front panel include the HP 8568B, 8590B, 8591A, 8560A, 8561B, 8562A/B, and 71100A. RF network analyzers such as the HP 8753D, 8752C, 8751A, 3577A, and 4195A are also directly compatible. You can use the HP 85024A with other instruments by using the HP 1122A probe power supply or any dual ± 15 V, 130 mA supply.



HP 85024A

Specifications Summary

Input Capacitance (at 500 MHz): <0.7 pF (nominal)

Input Resistance: 1 M Ω (nominal)

Bandwidth: 300 kHz to 3 GHz

Gain (at 500 MHz): 0 dB $\pm$ 1 dB

Average Noise Level (10 Hz to 10 MHz): <1 mV

Frequency Response: $\pm$ 1 dB (300 kHz to 1 GHz)
+2, -3 dB (1 GHz to 3 GHz)

Input Voltage for 1 dB Compression: 0.3 V

Maximum Safe RF Voltage: 1.5V peak (with 10:1 divider 15 V peak)

Noise Figure: <50 dB (<100 MHz)
<25 dB (100 MHz to 3 GHz)

Distortion (at 0.3 V): < -30 dBc

Includes: Type-N male adapter, 10:1 divider, spare probe tips, 2 1/2-in ground lead, hook tip, spanner tip, and probe tip nut driver.