

Specifications

(See definition of specifications and supplemental characteristics on page 9.)

HP 11678A Low Pass Filter Kit

Function: This kit contains five filters. Their use is recommended for reducing undesirable harmonics generated by the RF source.

Cutoff Frequency (f_c) for each filter:

- HP 11688A: 2.8 GHz
- HP 11689A: 4.4 GHz
- HP 11684A: 6.8 GHz
- HP 11685A: 9.5 GHz
- HP 11686A: 13.0 GHz

Insertion Loss: ≤ 1.1 dB in passband.

Rejection at $1.25f_c$: ≥ 40 dB.

Impedance: 50 ohms nominal.

Connectors: Type-N Female, Type-N Male.

Weight: Net 0.44 kg (1 lb), Shipping 1.2 kg (2.9 lb).

HP 11668A High Pass Filter

Function: This high pass filter is recommended when making measurements on active devices that have high gain below 50 MHz.

Impedance: 50 ohms nominal.

Frequency Range:	Return Loss	Insertion Loss
50 to 100 MHz	≥ 12 dB	≤ 2.5 dB
100 MHz to 8 GHz	≥ 16 dB	≤ 2.0 dB
8 to 12 GHz	≥ 14 dB	≤ 1.0 dB
12 to 18 GHz	≥ 14 dB	≤ 1.5 dB

Maximum Input: +27 dBm.

Connectors: Type-N Female, Type-N Male.

Weight: Net 0.13 kg (0.31 lb), Shipping 0.28 kg (0.63 lb).

HP 8349B Microwave Amplifier

The HP8349B microwave amplifier delivers up to 20 dBm (100 mW) of output power with > 15 dB of gain and < 13 dB typical noise figure across a 2.0 to 20 GHz frequency range. The HP 8349B can be a powerful source accessory to the HP 8350 or HP 8620 for applications such as mixer testing, long RF cable testing, antenna pattern analysis and RFI measurements. A built-in directional detector can be used in external leveling applications to deliver up to +20 dBm directly to the test device.

HP 85023A/B/C/D Verification Kits

Function: These verification kits each contain an open, a short, a 10 dB attenuator, a termination, and a source-to-bridge adapter. The HP 85023D also includes two HP 11852A 50-to-75 ohm minimum loss pads for 50/75 ohm impedance conversion.

Kit Contents:

HP 85023A:	
APC-7 open/short	(Part #85021-60001)
N (male) to N (male) adapter	(Part #1250-1475)
APC-7 50 ohm termination	(Model #909A)
APC-7 50 ohm 10 dB pad	(Model #8492A Opt. 010)
HP 85023B:	
APC-3.5 open/short	(Part #85037-60001)
APC-3.5 (m) to N (m) adapter	(Part #1250-1743)
APC-3.5 50 ohm termination	(Model #909D)
APC-3.5 50 ohm 10 dB pad	(Model #8493C Opt. 010)
HP 85023C:	
N (male) 50 ohm short	(Model #11512A)
N (male) 50 ohm open	(Part #85032-60001)
N (male) 50 ohm termination	(Model #909A Opt. 012)
N (male) 50 ohm 10 dB pad	(Model #8491B Opt. 010)
N (male) to N (male) adapter	(Part #1250-1475)
HP 85023D:	
N (male) 75 ohm short	(Part #1250-1530)
N (male) 75 ohm termination	(Part #1250-1532)
N (male) 50 ohm 10 dB pad	(Model #8491B Opt. 010)
N (male) to N (male) adapter	(Part #1250-1475)
Two 50/75 ohm min loss pads	(Model #11852A)

Frequency Range:

- HP 85023A/C: DC to 18 GHz.
- HP 85023B: DC to 26.5 GHz.
- HP 85023D: DC to 1.3 GHz.

Connector Type:

- HP 85023A: APC-7.
- HP 85023B: APC-3.5.
- HP 85023C/D: Type-N.

Characteristic Impedance:

- HP 85023A/B/C: 50 ohms.
- HP 85023D: 75 ohms.

Weight: Net 0.5 kg (1.2 lb), Shipping 1.2 kg (2.9 lb).

HP 85022A System Cable Kit

Function: The HP 85022A contains all the BNC and HP-IB cables to connect an HP 8350B, 8340A or 8341A source, an HP 9000 series 200 or series 300 computer, and a plotter or printer to the HP 8756A.

Kit Contents:

- (3) 1.0 meter HP-IB cables (HP 10833A).
- (3) 61 cm, 50 ohm BNC cables (HP 11170B).
- (1) 122 cm, 50 ohm BNC cable (HP 11170C).

Weight: Net 0.5 kg (1.2 lbs), Shipping 1.2 kg (2.9 lbs).

Software

HP 85015B System Software

Function: This software enables the user to automate scalar measurements. Using an HP 9000 series 200 or series 300 computer with the HP 8756A and an HP 8350B, 8340A, or 8341A source the user can make simple menu selections to customize a scalar measurement test procedure. Once created, this test procedure can be easily stored on the computer disc.

Compatible Computers: HP 9000 series 200 or series 300 computer.

Memory Required: 1.5M Byte with BASIC 4.0, 3.0, 2.1 or 2.0.

Compatible Scalar Network Analyzers: HP 8757A, 8756A

Compatible Sources: HP 8350B with any HP 83500 or 86200 series RF plug-in, or HP 83550 series source module. HP 8341A, 8340A.

Ordering Information:

- HP 85015B Transmission Line Test Software
- Option 630: 3½ inch discs
- Option 655: 5¼ inch discs

HP 85016B Transmission Line Test Software

Function: The HP 85016B adds distance-to-fault measurements to the capabilities of the HP 85015B system software. Using frequency domain reflectometry (FDR), frequency response data is transformed to the distance domain enabling the user to see the location and magnitude of impedance mismatches.

Compatible Computers: HP 9000 series 200 or series 300 computer.

Memory Required: 1.5M Byte with BASIC 4.0, 3.0, 2.1 or 2.0.

Compatible Scalar Network Analyzers: HP 8757A, 8756A.

Compatible Sources: HP 8350B with any HP 83500 or 86200 series RF plug-in, or HP 83550. HP 8341A, 8340A.

Ordering Information:

- HP 85016B Transmission Line Test Software
- Option 630: 3½ inch discs
- Option 655: 5¼ inch discs

Service Products

HP 8756+23N Onsite Installation (where available)

Function: An HP Customer Engineer will assemble and verify the operation of your scalar network analyzer system at your site.