

HP 8753D Accessories (continued)

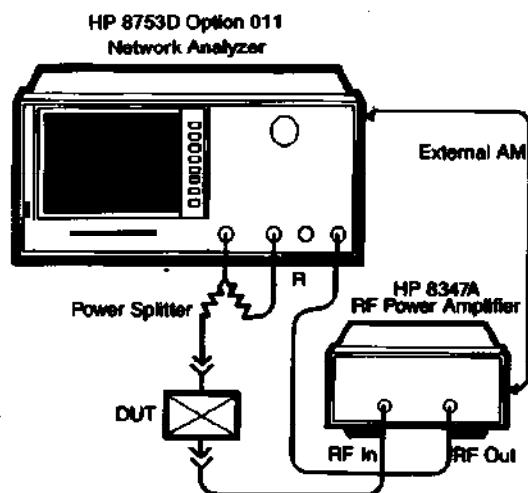
HP 8347A RF Amplifier

This general purpose broadband amplifier is designed for maximum reliability and configured for convenience when interfacing with the HP 8753D. The HP 8347A RF amplifier delivers increased power across a 300 kHz to 3 GHz frequency range. Adjustable leveled output power between +20 dBm (100 mW) to +5 dBm (3.16 mW) can be achieved.

The HP 8347A provides leveled output power without using an external coupler and detector, since these parts are built-in. The external ALC can be directly connected to the External AM input on the HP 8753D. This capability is especially useful for achieving high dynamic range measurements at faster sweep rates.

Specifications

Frequency:	100 kHz to 3 GHz
Gain:	25 dB minimum
Output power (leveled):	+5 dBm to +20 dBm (adjustable)
Maximum output power:	24 dBm (typical)
leveled power flatness:	±1.5 dB
Impedance:	50 ohms nominal
SWR:	
Input:	2.2:1 max
Output:	1.6:1 (ALC on)
Spectral purity:	
Harmonics:	-20 dBc at dBm
Third Order Intercept:	+30 dBm (nominal)
Typical noise figure: (100 MHz to 3 GHz)	13.5 dB
RF connectors:	Type N female
Dimensions:	102 H x 213 W x 297 mm D (4.0" x 8.4" x 11.7")
Weight:	net 3.5 kg (7.7 lb)



Extended Dynamic Range Test Configuration

Transistor test fixtures

HP 11600B and HP 11602B Transistor Fixtures

These units allow RF measurements to be made on leaded transistors, FET's, diodes, varactors, etc. when used with the HP 8753D from 300 kHz to 2 GHz. Included for calibration of the transistor fixtures are two calibration references; a short circuit termination and a 50 ohm through-section. The HP 11600B accepts TO-18/TO-72 packages and the HP 11602B accepts TO-5/TO-12 packages.

Impedance:	50 ohms nominal
Connectors:	Precision 7 mm connectors
Option 001:	Type N 50 ohm female connectors
Recommended accessories:	The HP 11858A transistor fixture adapter is recommended for use when using the HP 85046A or the HP 85047A S-parameter test set.

HP 11858A Transistor Fixture Adapter

Provides a rigid RF cable interconnection (horizontal to vertical test port orientation) between the HP 85046A or HP 85047A S-parameter test set and the HP 11600B/11602B transistor test fixtures. All connectors are precision 7 mm.

HP 11608A Transistor Fixture

Provides the capability of completely characterizing stripline transistors when used with the HP 8753D or the HP 85046A or HP 85047A S-parameter test sets. A through-line microstrip and bolt-in grounding structure machineable for special packages is included.

Frequency range:	DC to 12.4 GHz
Impedance:	50 ohms nominal
Return Loss:	> 26 dB to 4 GHz; > 23 dB, 4 to 8 GHz; > 19 dB, 8 to 12.4 GHz
Package styles:	
Option 003:	0.205 inch diameter packages. Includes a short circuit termination and a 50 ohm through-section for calibration.
Connectors:	Precision 7 mm

HP 85043D Systems Cabinet

The HP 85043D systems cabinet has been ergonomically designed specifically for the HP 8753D option 011 and the HP 85046A/B or HP 85047A S-parameter test sets. The 132 cm (52-inch) system cabinet includes a bookcase, a drawer, and a convenient work surface.