KEYSIGHT TECHNOLOGIES (AGILENT HP)

83752A

The Keysight (formerly Agilent/HP) 83752A is a synthesized sweeper designed for component test, swept test, and scalar applications. Covering a frequency range of 10 MHz to 20 GHz, it provides the accuracy and stability of a fully synthesized source while maintaining the speed of an analog sweeper. The 83752A features fully phase-locked analog sweep, stepped sweep, and CW modes, along with power flatness correction and a dedicated offset frequency sweep mode for mixer testing.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488)

Physical

Operating Temperature	0 to 55 °C

Frequency Specifications

Frequency Range	10 MHz to 20 GHz
Frequency Resolution	1 Hz

Sweep Specifications

Sweep Modes	CW, Stepped, Analog (Ramp) Sweep

Output Power & Amplitude Specifications

Maximum Leveled Power	+10 dBm
Power Resolution	0.01 dB
Power Flatness Correction	Supported

Connectivity and Interfaces

RF Output Impedance	50 Ω
RF Output Connector Type	3.5 mm (male)
Command Set Compatibility	SCPI, Agilent/HP 8350 programming mode

Common Options and Configurations

Step Attenuator Option	Option 1E1

Frequency Reference

Internal Timebase Frequency	10 MHz

TECHNOLOGY

Synthesized RF/Microwave

APPLICATIONS

Component test, Swept test, Scalar applications, Mixer test