

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8267D-544

The Keysight (formerly Agilent / HP) E8267D-544 is a configuration of the high-performance PSG Series Vector Signal Generator equipped with Option 544, providing a frequency range of 250 kHz to 44 GHz. It is designed for advanced receiver testing, component characterization, and stimulus generation in aerospace, defense, radar, satellite, and broadband wireless communication systems. The E8267D is the industry's first integrated microwave vector signal generator with up to 44 GHz capability, and when equipped with external wideband I/Q inputs, it can achieve up to 2 GHz of RF modulation bandwidth.

SPECIFICATIONS

Frequency

Minimum Frequency	250 kHz Hz
Maximum Frequency	44 GHz Hz
Frequency Resolution	0.001 Hz
Phase Offset Resolution	0.1°

Output

Output Impedance	50 Ω (nominal)
Amplitude Resolution	0.01 dB

Modulation

Modulation	AM, FM, Phase, Pulse, Vector (I/Q)
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General

Reference Oscillator	10 MHz
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Frequency Characteristics

Frequency Range	250 kHz to 44 GHz (Option 544)
Internal Reference Frequency	10 MHz

Analog Modulation

Supported Analog Modulation	AM, FM, PM (Phase), Pulse
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Vector / Digital Modulation

RF Modulation Bandwidth	Up to 2 GHz (with Option 016 and external wideband I/Q inputs)
Supported Digital Modulation Formats	PSK, QAM, FSK, MSK, Custom I/Q (with baseband generator)

Interfaces and Connectivity

GPIO Interface	IEEE-488.2 Standard
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Inputs & Outputs

RF Output Connector	2.4 mm (male)
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Environmental

Operating Temperature	0 °C to 55 °C
Storage Temperature	-40 °C to 70 °C
Operating Altitude	Up to 4,600 m (15,000 ft)

Reference Oscillator

External Reference Input Frequencies	1, 2, 2.5, 5, 10 MHz
Reference Output Frequency	10 MHz

I/Q Modulation

External Wideband I/Q Bandwidth	Up to 2 GHz (with Option 016)
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TECHNOLOGY

RF / Microwave Vector Signal Generation

APPLICATIONS

Broadband wireless communications systems, radar, electronic warfare systems, satellite system testing, component and receiver testing

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