

## KEYSIGHT TECHNOLOGIES (AGILENT HP)

# E8257D

The Keysight (Agilent HP) E8257D PSG is an analog RF/microwave signal generator providing CW output with optional analog and pulse modulation up to 67 GHz (operational to 70 GHz). It delivers high leveled output power, excellent level accuracy, and world-class phase noise performance for LO substitution, radar, communications and other RF/MW test applications.

### SPECIFICATIONS

#### Frequency

|                      |                                   |
|----------------------|-----------------------------------|
| Minimum Frequency    | 250 kHz Hz                        |
| Maximum Frequency    | 67 GHz (operational to 70 GHz) Hz |
| Frequency Resolution | 0.001 Hz resolution               |

#### Output

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Maximum Output Power | +23 dBm @ 20 GHz (typ) dBm                                                                  |
| Output Power Range   | +23 dBm @20 GHz; +17 dBm @40 GHz; +14 dBm @67 GHz; +26 dBm option; >+30 dBm with option 521 |
| Phase Noise          | -115 dBc/Hz at 10 kHz offset, 10 GHz carrier (typ)                                          |

#### Modulation

|             |                                                          |
|-------------|----------------------------------------------------------|
| Modulation  | CW; AM, FM, PM (ØM), pulse; internal function generators |
| Sweep Modes | Digital step/list sweep; analog ramp sweep               |

### TECHNOLOGY

Analog PSG

### APPLICATIONS

LO substitution; low-jitter clock substitution; adjacent channel selectivity; RF & microwave radar, communications, and control systems

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