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Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E8257DS12 Millimeter-Wave Source Module, 60 GHz to 90 GHz

Keysight (Agilent) E8257DS12 Millimeter-Wave Source Module, 60 GHz to 90 GHz The Keysight E8257DS12 is an OML Inc. AG-series millimeter-wave source module (OML S12MS-AG) for Keysight E8257D / E8267D PSG generators with Option 1EU. It multiplies the PSG drive to WR-12 waveguide output covering 60–90 GHz with high power (~+6 dBm published at band, typically cited at 90 GHz). Frequency accuracy/resolution follow the driving PSG. Optional EA2 electronic attenuator (to ~40 dB) available on this model. The Keysight E8257DS12 is an OML Inc. AG-series millimeter-wave source module (OML S12MS-AG) for Keysight E8257D / E8267D PSG generators with Option 1EU. It multiplies the PSG drive to WR-12 waveguide output covering 60–90 GHz with high power (~+6 dBm published at band, typically cited at 90 GHz). Frequency accuracy/resolution follow the driving PSG. Optional EA2 electronic attenuator (to ~40 dB) available on this model. E-band / WR-12 stimulus; mmWave component and radar test; waveguide LO/drive from PSG.

No photo

MODEL

**Keysight
E8257DS12**

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E8257DS12

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Frequency out: 60 to 90 GHz • Waveguide: WR-12 • Multiplier: $\times 6$ • Typical RF out power: +6 dBm class (Keysight/OML published) • Driven by E8257D or E8267D with Option 1EU (or 1EA high power) • RF in damage level: +36 dBm class • Harmonics/subharmonics: ≤ -20 dBc typical • In-band spurious: ≤ -20 dBc typical (lower band edge may be ~ -15 dBc) • RF in VSWR ≤ 2.0 ; RF out VSWR ≤ 1.7 • RF in: SMA female; RF out: WR-12 flange (MIL-DTL-3922/67 class) • DC from PSG source-module interface (+8 V / +15 V rails) • FM, PM, and pulse modulation through the mm source path • Size ~ 2.8 " H $\times$ 4.3" W $\times$ 5.7" D; weight ~ 2.5 lb typical

E8257DS12 Characteristics / Specifications

PARAMETER	VALUE
Model	E8257DS12
Manufacturer	Keysight Technologies (OML S12MS-AG)
Instrument Type	Millimeter-Wave Source Module
Alias	E8257DS12; S12MS-AG RF
Frequency	60–90 GHz; WR-12; ×6 multiplication
Power	+6 dBm typical published class Host Requirements E8257D or E8267D PSG with Option 1EU (or compatible high-power drive) Operational Notes Prefer Keysight mm-wave source module / OML AG-series datasheet. Option EA2 adds electronic attenuation.
Frequency out	60 to 90 GHz
Waveguide	WR-12
Multiplier	×6
Typical RF out power	+6 dBm class (Keysight/OML published)
RF in damage level	+36 dBm class
Harmonics/subharmonics	≤ −20 dBc typical
In-band spurious	≤ −20 dBc typical (lower band edge may be ~−15 dBc)
RF in	SMA female; RF out: WR-12 flange (MIL-DTL-3922/67 class)

E8257DS12 Specifications

PARAMETER	VALUE
Applications	E-band / WR-12 stimulus; mmWave component and radar test; waveguide LO/drive from PSG.
Key Features	- Frequency out: 60 to 90 GHz
Technical Specifications	Model: E8257DS12
Host Requirements	E8257D or E8267D PSG with Option 1EU (or compatible high-power drive)
Operational Notes	Prefer Keysight mm-wave source module / OML AG-series datasheet. Option EA2 adds electronic attenuation.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	E8257DS12
Manufacturer	Keysight Technologies (OML S12MS-AG)
Instrument Type	Millimeter-Wave Source Module
Alias	E8257DS12; S12MS-AG

RF

Frequency: 60-90 GHz; WR-12; ×6 multiplication

Power: +6 dBm typical published class

Host Requirements

E8257D or E8267D PSG with Option 1EU (or compatible high-power drive)

Operational Notes

Prefer Keysight mm-wave source module / OML AG-series datasheet. Option EA2 adds electronic attenuation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.