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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8257DS08

Keysight E8257DS08 OML WR8 Millimeter Source Module 90 to 140 GHz The Keysight E8257DS08 is an OML Inc. S08MS-AG millimeter source module for E8257D covering 90 GHz to 140 GHz at minus 5 dBm. OEM E8257D configuration guide lists E8257DS08 OML S08MS-AG at minus 5 dBm with E8257D-1EU. F-band / WR8 waveguide source extension from aPSG. Instrument Type: Millimeter source module The Keysight E8257DS08 is an OML Inc. S08MS-AG millimeter source module for E8257D covering 90 GHz to 140 GHz at minus 5 dBm. OEM E8257D configuration guide lists E8257DS08 OML S08MS-AG at minus 5 dBm with E8257D-1EU. F-band / WR8 waveguide source extension from aPSG. Instrument Type: Millimeter source module Manufacturer: Oleson Microwave Labs Inc for Keysight

**MODEL****Agilent / Keysight
E8257DS08****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E8257DS08****LISTING**<https://aumictechlabs.com/products/e8257ds08-2/>

NIST-traceable cal

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NAICS 423690 · 811210 · 541380

This unit

The Keysight E8257DS08 is a millimeter-wave source module that extends compatible PSG analog signal generators into the mmWave spectrum. Operating from 90 to 140 GHz, this OML AG series module connects directly to an E8257D or E8267D PSG equipped with Option 1EU, inheriting the host generator's frequency accuracy and resolution while delivering -2 dBm output power at 140 GHz. The module accepts RF input via SMA female connector and provides WR-08 waveguide flange output. It supports FM, PM, and pulse modulation through the driving PSG. Power and

control interface via rear panel connection; the host PSG supplies all DC requirements (+8 Vdc at 1.2 A max, +15 Vdc at 150 mA max). Compact form factor: 4.3 in × 2.8 in × 5.7 in (excluding waveguide length), weighing less than 2.0 lb. Specified for indoor operation between +20 to +30 °C. Note: This product is obsolete.

Technical Specifications

Frequency Range: 90 to 140 GHz
Output Power: -2 dBm @ 140 GHz
RF Input: SMA Female connector
RF Output: WR-08 waveguide flange
Power Supply: +8 Vdc at 1.2 A max, +15 Vdc at 150 mA max (from host PSG)
Temperature Range: +20 to +30 °C
Dimensions: 4.3 in (W) × 2.8 in (H) × 5.7 in (D) excluding waveguide
Net Weight: < 2.0 lb (907 g)

Key Features

- Extends PSG frequency coverage into millimeter-wave band
- FM, PM, and pulse modulation support
- Inherits driving PSG's frequency accuracy and resolution
- Direct frequency control via host PSG display
- Interface cable and power supplied from host generator rear panel

Compatibility & Integration Required

Host Generators: Keysight E8257D PSG or E8267D PSG with Option 1EU. The module provides high-frequency extension without independent power supply - all DC power and control signals derive from the host signal generator.

E8257DS08 Characteristics / Specifications

PARAMETER	VALUE
Model	E8257DS08
Instrument Type	Millimeter source module
Oml Model	S08MS-AG
Frequency Range	90 GHz to 140 GHz
Waveguide	WR8
Rated Output Power	minus 5 dBm
Host Generator	E8257D PSG
Required Option	E8257D-1EU
Manufacturer	Oleson Microwave Labs Inc for Keysight
Related S	E8257DS06 110 to 170 GHz at minus 9 dBm
Literature	E8257D PSG configuration guide
Form Factor	waveguide source module
Rf Drive	PSG microwave output into OML module
Use Case	mm-wave CW source extension
Family	E8257DSxx OML source modules
Band	WR8 / F band class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits

E8257DS08 Specifications

PARAMETER	VALUE
Applications	F-band / WR8 waveguide source extension from a PSG.
Key Features	OML S08MS-AG
Minus 5 dBm rated	Requires E8257D-1EU
Technical Specifications	Model: E8257DS08
Notes	From Keysight E8257D configuration guide E8257DS08 OML S08MS-AG row.

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	E8257DS08
Instrument Type	Millimeter source module
Oml Model	S08MS-AG
Frequency Range	90 GHz to 140 GHz
Waveguide	WR8
Rated Output Power	minus 5 dBm
Host Generator	E8257D PSG
Required Option	E8257D-1EU
Manufacturer	Oleson Microwave Labs Inc for Keysight
Related S10	E8257DS10 75 to 110 GHz at plus 5 dBm
Related S15	E8257DS15 50 to 75 GHz at plus 8 dBm
Related S12	E8257DS12 60 to 90 GHz at plus 6 dBm
Related S06	E8257DS06 110 to 170 GHz at minus 9 dBm
Literature	E8257D PSG configuration guide
Form Factor	waveguide source module
Rf Drive	PSG microwave output into OML module
Use Case	mm-wave CW source extension
Family	E8257DSxx OML source modules
Band	WR8 / F band class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits
Notes	
From Keysight E8257D configuration guide E8257DS08 OML S08MS-AG row.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

Aumictech

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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.