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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8257DS10

Keysight E8257DS10 OML WR10 Millimeter Source Module 75 to 110 GHz The Keysight E8257DS10 is an OML Inc. S10MS-AG millimeter source module for E8257D covering 75 GHz to 110 GHz at plus 5 dBm. OEM E8257D configuration guide lists E8257DS10 OML S10MS-AG at plus 5 dBm and requires E8257D-1EU. W-band waveguide source extension using OML multiplier modules driven by a PSG. Instrument Type: Millimeter source module The Keysight E8257DS10 is an OML Inc. S10MS-AG millimeter source module for E8257D covering 75 GHz to 110 GHz at plus 5 dBm. OEM E8257D configuration guide lists E8257DS10 OML S10MS-AG at plus 5 dBm and requires E8257D-1EU. W-band waveguide source extension using OML multiplier modules driven by a PSG. Instrument Type: Millimeter source module Manufacturer: Oleson Microwave Labs Inc for Keysight

**MODEL****Agilent / Keysight
E8257DS10****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E8257DS10****LISTING**<https://aumictechlabs.com/products/e8257ds10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E8257DS10 is a millimeter-wave source module that extends the frequency capabilities of the E8257D or E8667D PSG signal generator (with Option 1EU) into the 75 GHz to 110 GHz band. This module delivers +5 dBm output power at 110 GHz via WR-10 waveguide flange, providing the frequency accuracy and resolution required for precision signal generation in aerospace, defense, and communications testing. The module accepts direct frequency control

and display from the host PSG, inheriting its modulation capabilities including FM, PM, and pulse modulation. DC power is supplied entirely through the PSG source module interface, eliminating separate power requirements. Input power protection is built in. Two attenuator configurations are available: a manual variable attenuator (Option A25) or electronic attenuator (Option EA2) for flexible output level control across the operating band.

Technical Specifications

Frequency range: 75 GHz to 110 GHz Output power: +5 dBm @ 110 GHz RF output port: WR-10 waveguide flange Modulation: FM, PM, pulse DC power: Supplied via PSG source module interface Input power protection: Incorporated

Key Features

Direct frequency control from host PSG with on-instrument display Manual (Option A25) or electronic (Option EA2) attenuator options Compact form factor: 8 × 8 × 8 inches Weight: 4 lbs

Typical Applications

Aerospace and defense signal simulation Millimeter-wave component characterization Communications system testing High-frequency RF analysis

Compatibility & Integration

The E8257DS10 connects directly to the Keysight E8257D PSG Analog Signal Generator or E8667D PSG Vector Signal Generator when equipped with Option 1EU. No separate RF input connections or external power supplies are required.

E8257DS10 Characteristics / Specifications

PARAMETER	VALUE
Model	E8257DS10
Instrument Type	Millimeter source module
Oml Model	S10MS-AG
Frequency Range	75 GHz to 110 GHz
Waveguide	WR10
Rated Output Power	plus 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 millimeter source module table
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
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits
Catalog Status	HP Agilent Keysight catalog instrument

E8257DS10 Specifications

PARAMETER	VALUE
Applications	W-band waveguide source extension using OML multiplier modules driven by a PSG.
Key Features	OML S10MS-AG source module
Plus 5 dBm rated	Requires E8257D-1EU
Technical Specifications	Model: E8257DS10

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	E8257DS10
Instrument Type	Millimeter source module
Oml Model	S10MS-AG
Frequency Range	75 GHz to 110 GHz
Waveguide	WR10
Rated Output Power	plus 5 dBm
Host Generator	E8257D PSG
Required Option	E8257D-1EU
Manufacturer	Oleson Microwave Labs Inc for Keysight
Related S15	E8257DS15 50 to 75 GHz at plus 8 dBm
Related S12	E8257DS12 60 to 90 GHz at plus 6 dBm
Related S08	E8257DS08 90 to 140 GHz at minus 5 dBm
Related S06	E8257DS06 110 to 170 GHz at minus 9 dBm
Literature	E8257D PSG configuration guide millimeter source module table
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
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits
Catalog Status	HP Agilent Keysight catalog instrument
Notes	
From Keysight E8257D PSG Microwave Analog Signal Generator configuration guide E8257DS10 OML S10MS-AG row. Harmonic/spurious details are on the OML S10MS-AG data shipped with the module.	

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.