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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8257DV15

Keysight E8257DV15 VDI WR15 Signal Generator Frequency Extender 50 to 75 GHz The Keysight E8257DV15 isaVirginia Diodes WR15 SGX millimeter-wave frequency extender for E8257D PSG, covering 50 to 75 GHz at plus 20 dBm typical. OEM E8257D configuration guide and VDI SGX overview list WR15 waveguide output, standard RF input 7 to 13 dBm 2.92 mm (f), high-frequency input minus 3 to 3 dBm 2.4 mm (f), TTL AM 0 to 5 V, and 100 to 240 VAC 3.5 A supply. V-band signal generation for 5G, radar, and waveguide component test when driven by an E8257D PSG. The Keysight E8257DV15 isaVirginia Diodes WR15 SGX millimeter-wave frequency extender for E8257D PSG, covering 50 to 75 GHz at plus 20 dBm typical. OEM E8257D configuration guide and VDI SGX overview list WR15 waveguide output, standard RF input 7 to 13 dBm 2.92 mm (f), high-frequency input minus 3 to 3 dBm 2.4 mm (f), TTL AM 0 to 5 V, and 100 to 240 VAC 3.5 A supply. V-band signal generation for 5G, radar, and waveguide component test when driven by an E8257D PSG. Instrument Type: Signal generator frequency extension module

**MODEL****Agilent / Keysight
E8257DV15****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E8257DV15****LISTING**<https://aumictechlabs.com/products/e8257dv15-2/>

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NAICS 423690 · 811210 · 541380

This unit

The Keysight E8257DV15 is a millimeter-wave frequency extension module that expands Keysight signal generators into the WR15 waveguide band. Operating from 50 GHz to 75 GHz, this

amplifier/multiplier chain (AMC) module delivers output power up to +20 dBm and integrates directly with E8257D PSG, E8267D PSG, N5183B MXG, or N5173B EXG generators while preserving their frequency accuracy and resolution. The module accepts RF input at either standard 20 GHz or high-frequency 40/50 GHz configurations. Standard mode requires a coaxial jumper connection; high-frequency mode bypasses the first multiplier block for cleaner spectrum. Pulse, FM, and phase modulation capabilities transfer through the module, with TTL-controlled on/off modulation supported to approximately 1 kHz. The external 9V DC power supply is included. Technical Specifications Frequency Range: 50 GHz to 75 GHz Waveguide Band: WR15 Output Power: Up to +20 dBm RF Input Modes: Standard (20 GHz generators) or High Frequency (40/50 GHz generators) Modulation: Pulse, FM, phase modulation; TTL-controlled on/off to ~1 kHz Power Supply: External 9V DC Key Features WR15 waveguide output port for direct connection to test equipment Frequency multiplier setting printed on module label for accurate PSG display Option A30: 0 to 30 dB variable mechanical attenuator Option D48: Data extension down to 48 GHz Transport case with accessory cutouts Compatibility & Integration The E8257DV15 operates with Keysight E8257D PSG, E8267D PSG, N5183B MXG, and N5173B EXG signal generators. Host generator frequency multiplier must be set to match the N=x value on the module label for correct frequency display.

E8257DV15 Characteristics / Specifications

PARAMETER	VALUE
Model	E8257DV15
Instrument Type	Signal generator frequency extension module
Vdi Model	WR15SGX
Frequency Range	50 GHz to 75 GHz
Waveguide	WR15
Typical Output Power	plus 20 dBm
Minimum Output Power Class	plus 17 dBm on VDI WR15 table
Standard Rf Input Level	7 to 13 dBm
Standard Rf Input Connector	2.92 mm female
High Frequency Rf Input Level	minus 3 to 3 dBm
High Frequency Rf Input Connector	2.4 mm female
Output Flange	VDI precision UG-387/UM
Am Ttl Input	0 to 5 V up to about 1 kHz BNC female
Ac Supply	100 to 240 VAC 3.5 A
External Supply	N5262VDI-175 required for E8257DVxx
Host Generator	E8257D PSG
Usb Data Down To 48 Ghz	data on USB down to 48 GHz
Manufacturer	Virginia Diodes Inc for Keysight
Literature	5991-3162EN and E8257D configuration guide
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits

E8257DV15 Specifications

PARAMETER	VALUE
Applications	V-band signal generation for 5G, radar, and waveguide component test when driven by an E8257D PSG.
Key Features	Full WR15 waveguide band 50 to 75 GHz
Technical Specifications	Model: E8257DV15

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	
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Notes	
From Keysight E8257D PSG configuration guide E8257DV15 row and Millimeter Wave Frequency Extenders from Virginia Diodes technical overview WR15 column. High-frequency input bypasses the first multiplier when driven by a 40/50 GHz PSG.	

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.