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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 8673G Synthesized CW Generator

HP Agilent Keysight 8673G Synthesized CW Signal Generator 2 to 26 GHz The HP/Agilent 8673G is the synthesized CW member of the 8673 family covering 2 to 26 GHz. OEM listings describe a 26 GHz synthesized CW generator sharing the 8673 YIG-plus-quartz architecture, intended where AM/FM/pulse of 8673B/D are not required. Microwave CW LO substitution to 26 GHz, synthesizer racks, and HP-IB frequency-agile CW stimulus. 8673 family YIG oscillator locked to quartz The HP/Agilent 8673G is the synthesized CW member of the 8673 family covering 2 to 26 GHz. OEM listings describe a 26 GHz synthesized CW generator sharing the 8673 YIG-plus-quartz architecture, intended where AM/FM/pulse of 8673B/D are not required. Microwave CW LO substitution to 26 GHz, synthesizer racks, and HP-IB frequency-agile CW stimulus. 8673 family YIG oscillator locked to quartz Digital/synthesizer sweep class of the 8673 family



MODEL

**Agilent / Keysight
8673G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

8673G

LISTING

<https://aumictechlabs.com/products/8673g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 8673G Synthesized CW Generator delivers precise frequency control and stable output across 2.0 to 26.0 GHz, with overrange capability to 26.5 GHz. Built on synthesized architecture, It has the frequency accuracy and repeatability required for demanding RF and

microwave measurement tasks in R&D, manufacturing, and laboratory settings. Technical Specifications

Frequency Control Operating Range: 2.0 to 26.0 GHz (overrange: 1.95 to 26.5 GHz) Frequency Resolution: 1 kHz (2.0–6.6 GHz), 2 kHz (6.6–12.3 GHz), 3 kHz (12.3–18.6 GHz), 4 kHz (18.6–26.0 GHz) Frequency Switching Time: 25 ms Time Base Stability: 0.0000000005 /day

Internal Reference: 10 MHz crystal oscillator **External Reference:** 5 or 10 MHz **Output Power** Calibrated and Leveled Range: –120 to +8 dBm Power Resolution: 0.1 dB Output Level Switching Time: 25 ms Output Accuracy: ± 3.3 dB Automatic Leveling Control (ALC) maintains output flatness across frequency range Spectral Purity Harmonics: –40 dBc Non-harmonics: –58 dBc

Sweep Capabilities Modes: Linear, List Maximum Frequency Points: 9999 per sweep Dwell Time Range: 1 to 255 ms per frequency Independent Markers: 5 settable frequency markers Sweep Outputs: 0 to +10 V ramp, 0.5 V/GHz ramp, Z-axis blanking/markers, tone marker, penlift

Key Features Step sweep with up to 9999 frequency points Five independent frequency markers for precise measurement positioning Internal ALC loop ensures stable output power across the full frequency range Flexible step size control – minimum step equals frequency resolution

Typical Applications Component characterization, receiver testing, filter verification, phase-locked loop development, and broadband system evaluation in microwave and millimeter-wave frequencies.

Compatibility & Integration HP-IB programmability enables remote control of frequency, output level, and operational modes. Standard HP-IB implementation: SH1, AH1, T5, TEO, L3, LEO, SR1, RL1, PP1, DC1, DT1, CO. Three-state TTL interface logic.

8673G Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Synthesized CW microwave generator
Series Family	HP Agilent 8673A/B/C/D/E/G/H
Frequency Range	2 to 26 GHz
Output Impedance	50 ohm
Remote Interface	HP-IB
Architecture	YIG-tuned oscillator phase locked to quartz reference
Modulation Emphasis	CW
Form Factor	benchtop microwave synthesizer
Programming	HP-IB
Operating Context	microwave CW LO to 26 GHz
Power	100, 120, 220, 240 V plus 5 percent minus 10 percent, 48 to 66 Hz, 400 VA max class
Net Weight Class	29 kg (64 lb) class of 8673E
Dimensions Class	146 mmHby 425 mmWby 620 mmDclass
Operating Temperature	0 to 55 C
Brand Lineage	HP / Agilent
Frequency Coverage Verified	2 to 26 GHz
Frequency Resolution Class	1 to 4 kHz by band (8673B column)
Reference	internal quartz crystal
Sweep Class	digital sweep identical to 8673B/C/D
Difference Versus 8673B	CW generator versus full AM/FM/pulse signal generator
Difference Versus 8673H	26 GHz CW versus 12.4/18 GHz economy signal generator
Calibration Note	exact CW power and SSB phase noise belong on the 8673G data sheet/certificate
Level Display Class	0.1 dB digital display class of the 8673 family
Connector Class	microwave front panel output

PARAMETER	VALUE
Line Power Class	48 to 66 Hz mains
Related High Band	18 to 26 GHz multiplied band of the 8673B/D/G family

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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Brand Lineage	HP / Agilent
Frequency Coverage Verified	2 to 26 GHz
Frequency Resolution Class	1 to 4 kHz by band (8673B column)
Reference	internal quartz crystal
Sweep Class	digital sweep identical to 8673B/C/D
Difference Versus 8673B	CW generator versus full AM/FM/pulse signal generator
Difference Versus 8673H	26 GHz CW versus 12.4/18 GHz economy signal generator
Calibration Note	exact CW power and SSB phase noise belong on the 8673G data sheet/certificate
Level Display Class	0.1 dB digital display class of the 8673 family
Connector Class	microwave front panel output
Line Power Class	48 to 66 Hz mains
Related High Band	18 to 26 GHz multiplied band of the 8673B/D/G family Notes 2 to 26 GHz CW coverage is from HP/Agilent 8673G product listings. Power, size, sweep, and 1 to 4 kHz resolution class rows follow the OEM 8673E statement of identity with 8673B/C/D family mechanics. Calibrated level numbers should be taken from a 8673G-specific sheet/certificate and are not copied from 8673B plus 8 dBm.

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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Series Family	HP Agilent 8673A/B/C/D/E/G/H
Frequency Range	2 to 26 GHz
Output Impedance	50 ohm
Remote Interface	HP-IB
Architecture	YIG-tuned oscillator phase locked to quartz reference
Modulation Emphasis	CW
Form Factor	benchtop microwave synthesizer
Programming	HP-IB
Operating Context	microwave CW LO to 26 GHz
Power	100, 120, 220, 240 V plus 5 percent minus 10 percent, 48 to 66 Hz, 400 VA max class
Net Weight Class	29 kg (64 lb) class of 8673E
Dimensions Class	146 mmHby 425 mmWby 620 mmDclass
Operating Temperature	0 to 55 C
Brand Lineage	HP / Agilent
Frequency Coverage Verified	2 to 26 GHz
Frequency Resolution Class	1 to 4 kHz by band (8673B column)
Reference	internal quartz crystal
Sweep Class	digital sweep identical to 8673B/C/D
Difference Versus 8673B	CW generator versus full AM/FM/pulse signal generator
Difference Versus 8673H	26 GHz CW versus 12.4/18 GHz economy signal generator
Calibration Note	exact CW power and SSB phase noise belong on the 8673G data sheet/certificate
Level Display Class	0.1 dB digital display class of the 8673 family
Option Class: 002 delete reference, 004 rear RF, 006 slides	
Specifications	

PARAMETER	VALUE
Connector Class	microwave front panel output
Line Power Class	48 to 66 Hz mains
Related High Band	18 to 26 GHz multiplied band of the 8673B/D/G family

Notes

2 to 26 GHz CW coverage is from HP/Agilent 8673G product listings. Power, size, sweep, and 1 to 4 kHz resolution class rows follow the OEM 8673E statement of identity with 8673B/C/D family mechanics. Calibrated level numbers should be taken from a 8673G-specific sheet/certificate and are not copied from 8673B plus 8 dBm.

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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NIST-traceable calibration · SAM registered ·
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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.