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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight Q752A

HP Agilent Q752A WR-22 Waveguide Directional Coupler The HP Q752A is the Q-band member of the 752A waveguide directional-coupler family. OEM HP coaxial/waveguide accessory catalogs list 752A as the 3 dB coupling member (752C 10 dB, 752D 20 dB) with 40 dB directivity. Q-band waveguide is EIA WR-22 covering 33.0 to 50.0 GHz. 752-series couplers are used for reflection, insertion-loss, and power-leveling measurements in waveguide. Q-band reflectometer sampling, insertion-loss substitution, and source leveling in WR-22 waveguide. The HP Q752A is the Q-band member of the 752A waveguide directional-coupler family. OEM HP coaxial/waveguide accessory catalogs list 752A as the 3 dB coupling member (752C 10 dB, 752D 20 dB) with 40 dB directivity. Q-band waveguide is EIA WR-22 covering 33.0 to 50.0 GHz. 752-series couplers are used for reflection, insertion-loss, and power-leveling measurements in waveguide. Q-band reflectometer sampling, insertion-loss substitution, and source leveling in WR-22 waveguide. Instrument Type: Waveguide directional coupler

**MODEL****Agilent / Keysight
Q752A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****Q752A****LISTING**<https://aumictechlabs.com/products/q752a-2/>

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NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight Q752A is a precision network parameter measurement instrument designed for accurate characterization of components and integrated systems in R&D and manufacturing environments. This legacy device - originating from Hewlett-Packard and now part of the Keysight

portfolio - delivers high-fidelity data acquisition across a broad frequency spectrum with advanced calibration and analysis capabilities.

Technical Specifications

Frequency Range: Broad frequency spectrum for network parameter measurement

Dynamic Range: Up to 110 dB (300 kHz to 1.3 GHz); 105 dB (3 GHz to 6 GHz); 100 dB (300 kHz to 16 MHz due to fixed spurs)

Directivity: 33 to 40 dB (752 series directional coupler reference)

VSWR: 1.1 or better (752 series directional coupler reference)

Coupling Variation: ± 0.7 dB maximum (752 series directional coupler reference)

Key Features

- Advanced calibration and analysis functionality for complex network analyses
- High-accuracy measurement of network parameters across wide frequency bands
- Precision component and system characterization capabilities
- Proven measurement architecture from decades of HP/Agilent/Keysight development

Typical Applications

- Component characterization in R&D environments
- Manufacturing test and validation of integrated systems
- Network parameter measurement and analysis
- Precision calibration and measurement workflows

Compatibility & Integration

The Q752A operates within the Agilent/Keysight instrumentation ecosystem. Standard connectivity options include GPIB, LAN, and USB interfaces typical of Keysight measurement instruments, enabling integration into automated test systems and remote operation environments.

Q752A Characteristics / Specifications

PARAMETER	VALUE
Model	Q752A
Instrument Type	Waveguide directional coupler
Waveguide Size	EIA WR-22
Frequency Band	Q band 33.0 to 50.0 GHz
Coupling Class	3 dB (752A family)
Related 10 Db	752C 10 dB coupling
Related 20 Db	752D 20 dB coupling
Directivity Class	40 dB (752 series catalogs)
Measurement Uses	reflection coefficient, insertion loss, transfer characteristics, power leveling
Related Bands	H752A, J752A, K752A, P752A, R752A, X752A waveguide directional couplers
Form Factor	waveguide coupler
Manufacturer	HP Agilent Keysight
Use Case	Q-band waveguide directional sample
Literature	HP coaxial and waveguide measurement accessories catalog 752A/Q752A
Family	HP 752A/C/D waveguide directional couplers
Documentation Type	OEM HP waveguide coupler catalog
Brand Lineage	Hewlett Packard Agilent Keysight
System Role	waveguide directional coupler
Flange Class	WR-22 Q-band cover flange family
Related Attenuators	Q-band 382A precision variable attenuator family in the same catalog
Related Loads	waveguide sliding loads in the HP accessory catalog
Catalog Page Class	directional couplers section of HP coax/waveguide accessories

Q752A Specifications

PARAMETER	VALUE
Applications	Q-band reflectometer sampling, insertion-loss substitution, and source leveling in WR-22 waveguide.
Key Features	WR-22 Q-band waveguide
Technical Specifications	Model: Q752A

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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Family	HP 752A/C/D waveguide directional couplers
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Notes	
From HP coaxial and waveguide accessory catalogs (Q752A WR-22 Q-band 752A 3 dB class, 752C 10 dB, 752D 20 dB, 40 dB directivity class, 33-50 GHz WR-22). Coupling variation, SWR, and power rating for the Q752A row are on the 752-series specification page of that catalog.	

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

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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.