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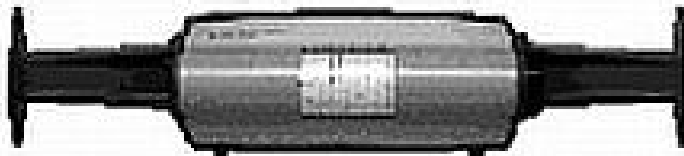
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight S382C Waveguide Variable Attenuator

The HP S382C is a continuously variable precision waveguide attenuator in the 382 family. OEM coaxial/waveguide accessory catalogs list S382C among S/J/P/X/K 382 variable attenuators. S-band coverage is 2.60 to 3.95 GHz in WR-90. Catalog footnotes for the 382 variable family state attenuation accuracy of 0.1 dB or 1 percent of reading, whichever is greater, from 0 to 50 dB, and 2 percent of reading above 50 dB. Incremental attenuation is listed 0 to 50 dB class for the precision rotary-vane 382 series. S-band waveguide leveling, attenuation calibration, and receiver/transmitter gain ranging in WR-90 systems. Attenuation Accuracy Above 50 Db: 2 percent of reading (382 family footnote) Incremental Attenuation Class: 0 to 50 dB precision variable family Form Factor: waveguide variable attenuator Literature: HP coaxial and waveguide measurement accessories catalog S382C



MODEL

**Agilent / Keysight
S382C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

S382C

LISTING

<https://aumictechlabs.com/products/s382c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight S382C is a precision variable waveguide attenuator designed for applications requiring accurate and reliable signal level control within its specified frequency range. It has a broad attenuation range and precise adjustment capabilities, making it suitable for use in various RF and microwave test and measurement setups. Technical Specifications General

Characteristics: Product Type: Variable Waveguide Attenuator Manufacturer: Agilent / Keysight Model: S382C Electrical Specifications: Attenuation Range: 0 to 60 dB Accuracy: * $\pm 1\%$ of reading or 0.1 dB, whichever is greater, for a portion of the range * $\pm 2\%$ above 50 dB Frequency Range: 2.6 to 3.95 GHz Waveguide and Interface: Waveguide Size: WR 284 Equivalent Flange: UG-584/U Calibration and Traceability: The product can be supplied with NIST-Traceable Calibrations, ANSI Z540 Calibration, or ISO/IEC 17025:2005 Accredited Calibration, with options for data and uncertainties. Physical Characteristics * Condition Note: This unit may be sold as "for parts or not working" and is "NOT TESTED" and "SOLD AS-IS / NOT GUARANTEED" in some listings. Compatibility * While specific compatibility is not detailed for the S382C itself in the provided snippets, Keysight (formerly Agilent) offers a wide range of RF and microwave test equipment, including signal generators, spectrum analyzers, and network analyzers, within which such an attenuator would typically be integrated. Related products mentioned include other Agilent/Keysight attenuators and waveguide components. Why Choose Aumictech for Agilent/Keysight S382C? At Aumictech, we specialize in supplying high-end RF and microwave test equipment. Whether you need precise attenuation control for R&D, reliable performance for manufacturing, or solid solutions for system integration, our team ensures the Agilent/Keysight S382C delivers maximum performance for your application.

S382C Characteristics / Specifications

PARAMETER	VALUE
Model	S382C
Instrument Type	Waveguide precision variable attenuator
Waveguide	WR-90
Frequency Range	2.60 GHz to 3.95 GHz
Band	S band
Family	HP 382 continuously variable waveguide attenuators
RelatedJBand	J382A
RelatedPBand	P382A
Attenuation Accuracy 0 To 50 Db	0.1 dB or 1 percent of reading, whichever is greater (382 family footnote)
Attenuation Accuracy Above 50 Db	2 percent of reading (382 family footnote)
Incremental Attenuation Class	0 to 50 dB precision variable family
Form Factor	waveguide variable attenuator
Manufacturer	HP Agilent Keysight
Use Case	S-band waveguide attenuation
Flange Class	WR-90 cover flange family
Literature	HP coaxial and waveguide measurement accessories catalog S382C
Operating Temperature Class	laboratory waveguide accessory
System Impedance	waveguide characteristic impedance
Residual Attenuation	insertion loss / residual attenuation on the S382C row
Maximum Swr	per S382C catalog row
Power Handling	per S382C catalog power rating
Documentation Type	OEM waveguide accessory table
Attenuation	Accuracy 0 To 50 Db: 0.1 dB or 1 percent of reading, whichever is greater (382 family footnote)
Operating temperature	Class: laboratory waveguide accessory

S382C Specifications

PARAMETER	VALUE
Applications	S-band waveguide leveling, attenuation calibration, and receiver/transmitter gain ranging in WR-90 systems.
Continuously variable waveguide attenuator	S-band 2.60 to 3.95 GHz
Technical Specifications	Model: S382C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory waveguide accessory
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Operating Temperature Class	laboratory waveguide accessory
System Impedance	waveguide characteristic impedance
Residual Attenuation	insertion loss / residual attenuation on the S382C row
Maximum Swr	per S382C catalog row
Power Handling	per S382C catalog power rating
Documentation Type	OEM waveguide accessory table Notes From HP waveguide accessory catalogs listing S382C as an S-band precision variable attenuator in the 382 family (2.60 to 3.95 GHz, WR-90). Residual attenuation, SWR, and power handling are the S382C row on that table.

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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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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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.