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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1298B

Agilent/Keysight N1298B Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

**MODEL****Agilent / Keysight
N1298B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N1298B****LISTING**<https://aumictechlabs.com/products/n1298b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N1298B is an Ultra-Low Noise Filter (ULNF) that significantly reduces voltage noise in DC power delivery systems. Connected directly to the banana jack outputs of Keysight B2961B/B2962B low-noise power sources, it enables measurement and characterization of noise-sensitive analog and RF circuits operating at extremely low noise floors.

Technical Specifications
Maximum Output Range: 42 V / 105 mA (DC) Output Residual Resistance: 50 Ω nominal (2-wire)
Voltage Noise Reduction: 10 μ Vrms (10 Hz – 20 MHz) Noise Density: 1 nVrms/ $\sqrt{\text{Hz}}$ at 10 kHz
Connectivity: Banana jack interface to B2961B/B2962B channels

Key Features The N1298B achieves ultra-low noise density performance across a wide bandwidth. Its 50 Ω output impedance provides impedance matching for noise-sensitive measurement systems. The filter operates across the full 10 Hz to 20 MHz range, addressing both low-frequency drift and high-

frequency switching artifacts that can corrupt precision measurements. Typical Applications
Evaluation of A/D converters and noise-sensitive analog circuits Characterization of analog and RF integrated circuits Phase noise evaluation of oscillator circuits, including VCOs and crystal oscillators Precision DC biasing for noise-critical semiconductor device testing Compatibility & Integration The N1298B is designed exclusively for the Keysight B2960 Series power sources, supporting B2961A/B2961B/B2961C and B2962A/B2962B/B2962C models. It connects directly to individual output channels without additional hardware. Engineers requiring higher current capability should consider the N1298A (21 V / 500 mA, 10 Ω), while applications demanding higher voltage operation may benefit from the N1298C (210 V / 3 A).

N1298B Characteristics / Specifications

PARAMETER	VALUE
Model	N1298B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N1298B
Sku	N1298B
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N1298B
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	N1298B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N1298B
Sku	N1298B
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N1298B
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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.