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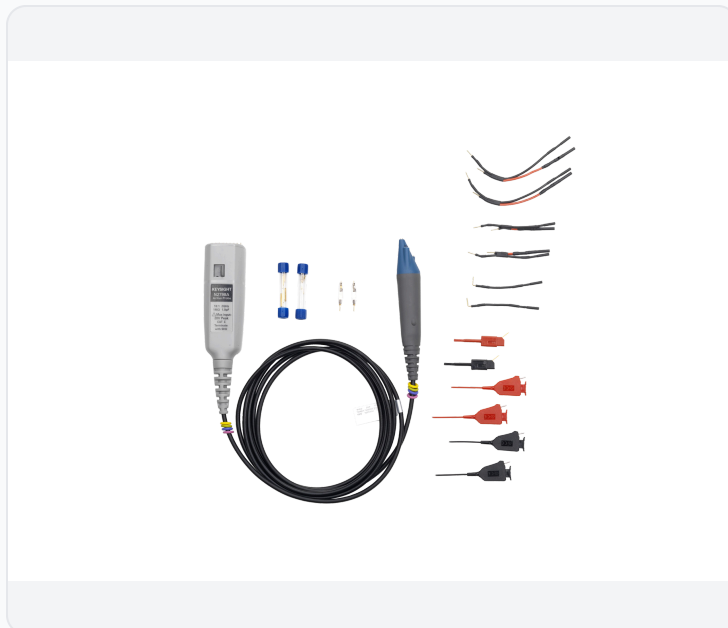
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2798A

HP Agilent Keysight N2798A Accessory Kit for N2797A Active Probe The Keysight N2798A is the dedicated accessory kit for the N2797A 1.5 GHz extreme temperature single-ended active probe. OEM N2795A/96A/97A data sheet 5990-6480EN lists N2798A as the accessory kit model and documents the tip, ground, and adapter accessories used with the N2797A probing system. Replacement and expansion accessories for N2797A extreme temperature active probing on AutoProbe oscilloscopes. Matched to N2797A extreme temperature probe The Keysight N2798A is the dedicated accessory kit for the N2797A 1.5 GHz extreme temperature single-ended active probe. OEM N2795A/96A/97A data sheet 5990-6480EN lists N2798A as the accessory kit model and documents the tip, ground, and adapter accessories used with the N2797A probing system. Replacement and expansion accessories for N2797A extreme temperature active probing on AutoProbe oscilloscopes. Matched to N2797A extreme temperature probe Reorderable family adapters N4839A through N4846A documented on same sheet

**MODEL****Agilent / Keysight
N2798A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N2798A****LISTING**<https://aumictechlabs.com/products/n2798a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N2798A is a high-voltage differential probe designed for precision measurement of differential signals in power electronics, automotive testing, and industrial environments. It delivers 20 MHz differential bandwidth with selectable 100:1 or 1000:1

attenuation, supporting input voltages to 1000 V CAT III (100:1) or 2000 V CAT II (1000:1). The probe achieves superior common-mode rejection - exceeding 60 dB at 50/60 Hz - making it ideal for noisy measurement environments. With $\pm 2\%$ DC accuracy and $\pm 3\%$ AC accuracy at 100 kHz, plus input impedance of $10\text{ M}\Omega \parallel 6\text{ pF}$, the N2798A delivers reliable signal acquisition across a wide voltage range. Rise time of 17.5 ns typical and noise under 1 mV RMS ensure clean signal fidelity. The probe connects via BNC output to standard oscilloscope inputs and operates from oscilloscope power delivery (typically 5 V to 15 V), drawing less than 4.5 VA.

Technical Specifications

Differential Bandwidth: 20 MHz Single-Ended Bandwidth: 100 MHz (typical)
Attenuation Ratio: 100:1 / 1000:1 (selectable) DC Accuracy: $\pm 2\%$ of reading AC Accuracy: $\pm 3\%$ of reading (at 100 kHz) Common-Mode Rejection Ratio: > 60 dB at 50/60 Hz; > 40 dB at 100 kHz; > 20 dB at 20 MHz Input Voltage Range (Differential): 1000 V CAT III (100:1); 2000 V CAT II (1000:1) Maximum Common-Mode Voltage: 2000 V CAT III Input Impedance: $10\text{ M}\Omega \parallel 6\text{ pF}$ (differential and common-mode) Offset Voltage: $\pm 100\text{ V}$ Offset Voltage Temperature Drift: $\pm 0.1\text{ mV}/^\circ\text{C}$ Propagation Delay: 50 ns (typical) Rise Time: 17.5 ns (typical) Noise: < 1 mV RMS (typical, at 100:1 attenuation, 20 MHz bandwidth) Output Impedance: $50\text{ }\Omega$ Power Consumption: < 4.5 VA

Key Features

- Dual attenuation modes for flexible measurement ranges
- High CMRR performance across DC through 20 MHz
- Low output impedance ($50\text{ }\Omega$) for clean oscilloscope integration
- Temperature-stable offset voltage specification
- Screw terminal inputs with safety covers

Typical Applications

- Power electronics testing and characterization
- Automotive high-voltage circuit analysis
- Industrial signal acquisition in high common-mode environments
- Gate-drive and switching node measurements

Compatibility & Integration

The N2798A interfaces with oscilloscopes via standard BNC connectors and draws power directly from the instrument. It operates with Agilent/Keysight oscilloscopes and other platforms supporting equivalent BNC signal inputs and power delivery schemes.

N2798A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Active probe accessory kit
Primary Probe Compatibility	N2797A 1.5 GHz extreme temperature active probe
Probe Bandwidth Class Supported	1.5 GHz (N2797A)
Probe Cable Length Class	2 m on N2797A
Probe Input Resistance Class	1 MOhm class on N2797A
Probe Input Capacitance Class	approximately 1 pF on N2797A
Probe Dynamic Range Class	-8 V to plus 8 V on N2797A
Probe Offset Range Class	plus or minus 12 V on N2797A
Probe Power Interface	Keysight AutoProbe
Dual Lead Socketed Adapter Reorder	N4839A 6 cm 1.4 GHz class
Dual Lead Solder In Adapter Reorder	N4840A 5 cm 1.4 GHz class
Dual Lead Socketed Adapter 9 Cm	N4841A 1 GHz class
Dual Pin Pcb Header Reorder	N4842A
Solderable Tips Quantity Pack	N4843A quantity 10
Right Angle Ground Lead 5 Cm	N4844A
Ground Blade Reorder	N4845A
Offset Ground Reorder	N4846A
Literature	Keysight 5990-6480EN
Series Family	Keysight N2795A/96A/97A accessories
Esd Class	8 kV HBM family
Operating Altitude Class	4000 m family
Color Identification Rings Class	Yellow green blue purple rings in standard probe kits
Bandwidth	Class Supported: 1.5 GHz (N2797A)

N2798A Specifications

PARAMETER	VALUE
Applications	Replacement and expansion accessories for N2797A extreme temperature active probing on AutoProbe oscilloscopes.
Key Features	Matched to N2797A extreme temperature probe
Supports dense SMT and IC probing	Reorderable family adapters N4839A through N4846A documented on same sheet
Technical Specifications	Instrument Type: Active probe accessory kit

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	
N2798A is an accessory kit. Numeric electrical rows above are the verified N2797A/host-family values and reorder accessory part numbers from Keysight 5990-6480EN. Kit piece counts onaspecific shipment follow the packing list; do not invent counts not printed on the 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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30-day returns
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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.