

KEYSIGHT TECHNOLOGIES (AGILENT HP)

86118A

Keysight 86118A is a dual-channel, remote electrical sampling head module for the 86100-series Infiniium Digital Communications Analyzer (DCA). It places the sampling electronics in two small, lightweight heads with 1.85 mm (f) inputs and over 70 GHz electrical bandwidth to minimize cabling loss and preserve fast edges.

SPECIFICATIONS

General

Interfaces	None (user I/O); proprietary remote head cabling to 86100 mainframe
------------	---

Physical

Power Supply	Powered from 86100A/B/C mainframe via remote head cables
--------------	--

Product Identification

Manufacturer	Agilent Technologies
Model	86118A
Product Class	Dual-channel remote electrical sampling head module
Key Feature	Over 70 GHz electrical bandwidth per channel
Primary Applications	Digital communications analysis with 86100-series DCA; high-speed electrical waveform and eye-diagram characterization

Channels and Configuration

Number of Channels	2
Channel Type	Single-ended electrical
Termination Scheme	Fixed 50 Ω to ground (nominal)

Input Characteristics

Input Connector Type	1.0 mm female
Input Impedance	50 Ω (nominal)

Bandwidth and Time-Domain Performance

Electrical Bandwidth (–3 dB)	> 70 GHz
------------------------------	----------

Remote Head Interface

Remote Head Type	Two small, lightweight electrical sampling heads
Head-to-Mainframe Interface	Proprietary remote sampling head cables
Head Power Source	From 86100-series mainframe via remote head cable

Measurement Capabilities (with Mainframe)

Acquisition Method	Equivalent-time sampling (via 86100 mainframe)
--------------------	--

TECHNOLOGY

Equivalent-time remote electrical sampling head

APPLICATIONS

High-speed electrical serial data and pulse/eye-diagram measurements with Keysight/Agilent 86100A/B/C DCA mainframes

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.