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Agilent Technologies Inc. 54123A

34GHz four Channel test set

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Product Description:

Agilent Technologies Inc. 54123A 34GHz four Channel test set

The Agilent Technologies Inc. 54123A oscilloscope is a graph-displaying device – it draws a graph of an electrical signal. In most applications, the graph shows how signals change over time: the vertical (Y) axis represents voltage and the horizontal (X) axis represents time. The intensity or brightness of the display is sometimes called the Z axis.

The Agilent Technologies Inc. 54123A oscilloscope's simple graph can tell you many things about a signal, such as: the time and voltage values of a signal, the frequency of an oscillating signal, the "moving parts" of a circuit represented by the signal, the frequency with which a particular portion of the signal is occurring relative to, other portions, whether or not a malfunctioning component is distorting the signal, how much of a signal is direct current (DC) or alternating current (AC) and how much of the signal is noise and whether the noise is changing with time.

INTERNAL ATTENUATION
5% REFLECTION
TRIGGERED MODE
FREE RUN MODE
HIGH FREQ REJECT

Performance Characteristics of the 54123A

Form Factor	Module (proprietary interface/bus)
Bandwidth	34 GHz
Number of Channels	4 ch
Simultaneous Channels	4 ch
Min. Vertical Sensitivity	1 mV/div
Maximum Vertical Sensitivity	80 V/div
Rise time	10.3 ps
Number of Bits	12 bits
Input Impedance (alternate)	50 Ohm
Maximum Input Voltage	5 Vrms
Main time base - lowest	.01 ns/div
Main time base - highest	1 s/div
Timebase accuracy	0.1 %
Trigger Source	External,Internal
Minimum Trigger Holdoff	16 ns
Trigger Sensitivity	40 mV

Programmability/Connectivity of the 54123A

User Interface	Proprietary

54123A Compliance

CE Compliance	Not on file
UL Compliance	Compliant

54123A Power Requirements

Input Power	USA (110V/60Hz)

54123A Physical Dimensions

Width: (N/A)
Height: 105 mm(4.13 in)
Length: 432 mm(17 in)
Weight: 2 kg(4.4 lb)

Options for 54123A

Option	US List Price
908 / Half-width rackmount kit (p/n	Discontinued
910 / Additional operating and service manual	Discontinued
W30 / 3 Years Return for Repair Service	Discontinued
W32 / 3 Years Return for Calibration Service	Discontinued
W50 / 5 Year Customer Return Repair Service	Discontinued

W52 / 5 Years Return for Calibration Service	Discontinued

54123A Standard Accessories

0960-0055 /COAXIAL SHORTS /Qty:5
1250-1200 /SMA(m) TO BNC(f) ADAPTERS /Qty:2
5061-5311 /ADAPTERS APC-3.5 /Qty:5
8120-4948 /50 OHM CABLES SMA /Qty:3
9300-1484 /ANTI STATIC MAT,STRAP /Qty:1
HP 54118A /18GHZ TRIGGER /Qty:1
HP54007A /RF ACCESSORY KIT /Qty:1

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