

KEYSIGHT TECHNOLOGIES (AGILENT HP)

89605B

The Keysight (Agilent) 89605B is an RF Input Module designed for VXI-based test systems, primarily serving as the RF downconverter front-end for the Agilent 89600 Vector Signal Analyzer (VSA) series. It covers a frequency range from 100 kHz up to 2.6 GHz and downconverts RF signals to an intermediate frequency (IF) for digitizing by subsequent VXI ADC modules.

SPECIFICATIONS

General

Interfaces	VXI backplane, RF Input, IF Output
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Physical

Dimensions (W×H×D)	30.5 mm × 262 mm × 353 mm (C-size, 1-slot) mm
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System & Chassis Architecture

Form Factor	VXI C-size
Chassis Slot Width Requirements	1 slot
Backplane Bus Type	VXI

RF, Electrical & Calibration Performance

Frequency Range	100 kHz to 2.6 GHz
Nominal Impedance	50 Ω
RF Input Connector Type	Type-N (female)

Timing & Synchronization

Reference Clock Compatibility	VXI backplane CLK10 (10 MHz)
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VXI Interface

VXI Size Class	C-size
VXI Device Type	Register-based

Performance

Analysis Bandwidth	36 MHz
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RF Input

Maximum Safe RF Input Power	+30 dBm
Tuning Resolution	1 Hz
Input VSWR	< 1.35:1 (< 1.5 GHz), < 1.6:1 (1.5 to 2.6 GHz)
Input Amplitude Range	-50 to +30 dBm in 2 dB steps

Inputs & Outputs

10 MHz Reference Input	SMB
10 MHz Reference Output	SMB
IF Output Frequency	70 MHz

TECHNOLOGY

RF Downconversion

APPLICATIONS

RF vector signal analysis and downconversion within VXI systems

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