

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8363C

The Keysight (formerly Agilent) E8363C is a high-performance Microwave PNA series Vector Network Analyzer (VNA) offering a frequency range of 10 MHz to 40 GHz. Designed for demanding general-purpose network analysis as well as advanced applications, the E8363C provides extensive measurement capabilities including pulsed-RF, mixer conversion loss, and amplifier gain compression. It features a highly configurable, Windows-based platform with high measurement speed, excellent dynamic range, and flexible hardware options.

SPECIFICATIONS

General

Display	10.4-inch TFT color LCD touch screen
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Frequency Characteristics

Frequency Range	10 MHz to 40 GHz
Frequency Resolution	1 Hz

System Dynamic Range

System Dynamic Range	110 dB
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Measurement Speed & Processing

Maximum Number of Points per Sweep	20,001
Number of Channels	32
Sweep Types	Linear, CW (single frequency), power, segment sweep
Markers per Trace	10 independent markers (including reference)

Front Panel & Display

Display Formats	Log or linear magnitude, SWR, phase, group delay, real and imaginary, Smith chart, polar
Test Port Connectors (Type)	2.4 mm (male)
Test Port Impedance	50 Ω

Calibration & Software

Supported Calibration Methods	TRL, LRM
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Inputs & Outputs

Test Port Damage Level	+30 dBm or 40 VDC
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Performance

IF Bandwidth Range	1 Hz to 40 kHz
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Compliance

LXI Compliance	LXI Class C
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TECHNOLOGY

Vector Network Analysis (VNA)

APPLICATIONS

Microwave component characterization, amplifier and mixer test, pulsed-RF measurements, on-wafer and antenna testing

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