HPORTEK

PRODUCT DATASHEET

SYVNA-2P-T67G

Dual-Port Vector Network Analyzer

The SYVNA-2P-T67G is a low-cost, high-performance, compact bench-top dual-port VNA covering 100 MHz to 67 GHz, with open interfaces for secondary development.



Features

• Low cost, high performance, bench-top

• Integrated 10.1" LCD touchscreen

• User-friendly interface

• Dual-channel, dual-path full S-parameter

• Open interface, secondary development

Published technical information

Parameter	Specification / typical value
Functional Specifications	
Independent S-parameter measurement	Supported
Swept/fixed-frequency modes; time-domain analysis (cable fault distance, reflection distance)	Supported
Friendly display & control software	Supported
Technical Specifications	
Frequency Range	100MHz ~ 67GHz
Frequency Accuracy	±5×10-6
Frequency Resolution	50Hz
Output Power	-50dBm ~ 0dBm

Parameter	Specification / typical value
Sweep Points	2 to 100001 points
IF Bandwidth	10Hz ~ 300kHz
Dynamic Range	≥100dB
Transmission Coeff. Accuracy	±0.2dB/±2°（0dB ~ 10dB）；±0.1dB/±2°（-45dB ~ 0dB）；±0.2dB/±2°（-65dB ~ -45dB）；±1dB/±6°（-70dB ~ -65dB）
Reflection Coeff. Accuracy	±0.5dB/±4°（-15dB ~ 0dB）；±1.5dB/±10°（-25dB ~ -15dB）；±5.5dB/±30°（-35dB ~ -25dB）
Trace Noise	0.004dBrms
Temperature Dependency	0.04dB/℃
Effective Directivity	35dB
Effective Source Match	30dB
Effective Reflection Tracking	±0.5dB
Effective Load Match	28dB
Effective Transmission Tracking	±0.5dB
Burn-out Power	+25dBm
Ext. Ref. Frequency	20MHz
Ext. Ref. Power	0dBm ~ 5dBm
Output Ref. Frequency	20MHz
Output Ref. Power	0dBm ~ 5dBm
General Specifications	
Dimensions	638.5mm×484mm×245mm
Weight	≤30kg
Power Supply	AC 220V
Operating Temperature	-10℃ ~ +55℃
Storage Temperature	-40℃ ~ +70℃

Prepared from the existing product catalogue. Specifications may change; typical values are not guaranteed limits. Confirm operating conditions, interfaces and ordering configuration with engineering. This document does not replace the equipment operating manual.

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https://www.hportek.com/en/product/vector-network-analyzer-syvna-2p-t67g/