HPORTEK

PRODUCT DATASHEET

SYVNA-2P-M26.5G

Dual-Port Vector Network Analyzer

The SYVNA-2P-M26.5G is a compact, low-cost, high-performance modular dual-port VNA covering 100 MHz to 26.5 GHz. Open interfaces support flexible integration into high-end test platforms for production test and automated calibration.



Features

• Compact, lightweight, low power, portable

• Multi-site parallel testing

• LAN interface for secure PC control

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
Measurement, calibration & de-embedding via host software	Supported
Technical Specifications	
Frequency Range	100MHz ~ 26.5GHz
Output Power	-40dBm ~ 0dBm(1GHz≤f≤16GHz) ; -40dBm ~ -5dBm(16GHz < f≤26.5GHz)
Sweep Points	2 to 100001 points
Frequency Accuracy	±2.5×10-6

Parameter	Specification / typical value
IF Bandwidth	10Hz ~ 300kHz
Transmission Coeff. Accuracy	±0.2dB/±2° (0dB ~ 10dB) ; ±0.2dB/±2° (-45dB ~ 0dB) ; ±0.5dB/±5° (-60dB ~ -45dB)
Reflection Coeff. Accuracy	±0.5dB/±5° (-15dB ~ 0dB) ; ±1.5dB/±10° (-25dB ~ -15dB) ; ±5.5dB/±30° (-35dB ~ -25dB)
Transmission Dynamics	70dB typical (100MHz to 18GHz, 100Hz bandwidth); 60dB typical (18 to 26.5GHz, 100Hz bandwidth)
General Specifications	
Dimensions (L×W×H)	≤160mm×80mm×25mm
Weight	≤0.8kg
Supply & Power	12Vdc/30W
Operating Temperature	-10℃ ~ +40℃
Storage Temperature	-20℃ ~ +55℃

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-m26-5g/