

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8720C

The Keysight (Agilent/HP) 8720C is a 2-port microwave vector network analyzer covering 50 MHz to 20 GHz. It integrates a fast-sweeping synthesized source, S-parameter switching test set, tuned receiver, and a large color display in a single instrument.

SPECIFICATIONS

General

Display	Large color display
Instrument Class	Microwave network analyzer (vector)

Measurement Performance

Frequency Range	50 MHz - 20 GHz
Number of Test Ports	2
Test Set Integration	Integrated switching test set measures all four S-parameters with a single connection
S-Parameters Measured	S11, S21, S12, S22

S-Parameter Accuracy and Error Terms

Vector Accuracy Enhancement	Error-correction capability (vector accuracy enhancement)
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Source Characteristics

Synthesized Source	Built-in fast-sweeping synthesized source
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Receivers and Dynamic Range

Tuned Receiver	Integrated tuned receiver
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Time Domain and Specialized Measurements

Time Domain Capability	Optional time-domain function
Time/Distance Display	Computes and displays response versus time or distance (with time-domain option)

Options and Configurations

Solid-State Switch Option	Allows simultaneous measurement of forward and reverse parameters
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Sweep and Measurement Control

Continuous S-Parameter Update	Continuous update of all four S-parameters with solid-state switch option (supports two-part error correction)
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Display, Analysis, and User Interface

Pass/Fail Testing	Built-in pass/fail testing
Save/Recall	Save and recall of test configurations
Display Channels	Two independent display channels for simultaneous reflection and transmission measurements

TECHNOLOGY

Vector network analyzer with integrated S-parameter test set, synthesized source, and tuned receiver.

APPLICATIONS

R&D, manufacturing, incoming inspection, and quality assurance of RF/microwave components.

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