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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 87075C

Agilent Keysight 87075C 75 Ohm Multiport Test Set The Agilent 87075C is a 75 ohm multiport test set for cable-TV device testing with Agilent 8711C/8712C/8713C/8714C network analyzers. OEM product overview lists 3 MHz to 1.3 GHz coverage, solid-state switching, SelfCal, and 2/6/12 port configurations. 75 ohm CATV multiport component test, production throughput improvement with SelfCal, and solid-state switched reflection/transmission measurements. Solid-state switching for repeatable fast port changes The Agilent 87075C is a 75 ohm multiport test set for cable-TV device testing with Agilent 8711C/8712C/8713C/8714C network analyzers. OEM product overview lists 3 MHz to 1.3 GHz coverage, solid-state switching, SelfCal, and 2/6/12 port configurations. 75 ohm CATV multiport component test, production throughput improvement with SelfCal, and solid-state switched reflection/transmission measurements. Solid-state switching for repeatable fast port changes SelfCal technique for fast accurate system refresh



MODEL

**Agilent / Keysight
87075C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

87075C

LISTING

<https://aumictechlabs.com/products/87075c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 87075C is a 75-ohm multiport test set that extends network analyzer capabilities for high-volume characterization of RF and microwave devices. It eliminates the need for repeated RF interconnections by measuring all signal paths and ports of a device under test in a single connection setup. This approach reduces operator fatigue, minimizes connection errors,

and significantly improves test throughput. Technical Specifications Impedance: 75 ohm Port Configurations: 2, 6, 8, or 12-port options Frequency Range: 3 MHz to 1.3 GHz Port Switching Time: 1 second Test Set Settling Time: 10 ms Measurement Dynamic Range: 60 dB Noise Floor: -84 dBm Port-to-Port Isolation: 60 dB System Bandwidth: Medium-wide Calibration Interval (SelfCal): Within 60 minutes Calibration Interval (Test Set): Within 30 days using valid standards

Key Features Solidstate switching delivers reliable, fast port selection. The SelfCal technique reduces system calibration time by up to 20 times compared to traditional methods - typical monthly calibration cycles can be compressed to approximately 1 hour. When paired with a compatible network analyzer, the 87075C forms a fully specified measurement system with consistent accuracy and correlation across test setups.

Typical Applications Designed for production testing of multiport RF components including taps, splitters, and amplifiers. Cable TV device manufacturing and similar high-volume test environments benefit from reduced setup time and improved measurement repeatability.

Compatibility & Integration Works with Agilent 8711C-Series, 8712C, 8713C, 8714C, and ENA-L network analyzers. Control via parallel port interface cable (8120-6818), GPIB through compatible analyzer, or LAN for integration with test-process management software. IBASIC programming support included.

87075C Characteristics / Specifications

PARAMETER	VALUE
Model	87075C
Instrument Type	75 ohm multiport test set
Frequency Range	3 MHz to 1300 MHz
System Impedance	75 Ohm
Connector Type	Type-N female 75 Ohm
Noise Floor	minus 84 dBm
Measurement Dynamic Range	60 dB
Maximum Test Port Power Measurement Level	plus 16 dBm
Maximum Test Port Power Damage Level	plus 20 dBm
Port To Port Isolation	60 dB
Insertion Loss Reflection To Port	6 dB
Insertion Loss Port To Transmission	7 dB
Port Switching Time	1 second
Test Set Settling Time	10 ms
SelfCal Reflection Time	2 seconds
SelfCal Transmission Time	4 seconds
Corrected Source Match Transmission	30 dB
Uncorrected Source Match Transmission	14 dB
Corrected Directivity Reflection	40 dB
Line Power Frequency	47 to 60 Hz
Line Voltage	115 V nominal or 230 V nominal
Cabinet Height	132.8 mm
Cabinet Width	425 mm
Cabinet Depth	495 mm
Net Weight	7.7 kg

PARAMETER	VALUE
Shipping Weight	11.3 kg
Operating Temperature	0 C to 55 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 55 C
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

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Notes
Numeric rows from Agilent 87075C Multiport Test Set product overview specifications. Port count depends on Option 002/006/012 configuration.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.