

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 5086-7649

The Agilent/Keysight 5086-7649 is a component designed for use in various electronic systems. This component is engineered to meet the high standards of quality and performance associated with Agilent/Keysight products.

**MODEL****Agilent / Keysight
5086-7649****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****5086-7649****LISTING**<https://aumictechlabs.com/products/5086-7649-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 5086-7649 is a buffer amplifier engineered for RF and microwave signal conditioning in test and measurement systems. This component maintains signal integrity across demanding applications, delivering reliable performance in frequency-dependent measurement setups. Available primarily through secondary market channels, units are typically supplied in excellent working condition and tested for functionality. Technical Specifications The 5086-7649 functions as a dedicated buffer amplifier optimized for RF and microwave frequencies. Electrical characteristics including gain, bandwidth, impedance, and power requirements are application-dependent and should be verified against system integration requirements. The unit is designed with standard RF connector interfaces typical of Keysight/Agilent microwave component architecture. Key Features Buffer amplifier topology for signal isolation and impedance matching Interchangeable within Agilent/Keysight RF and microwave product families Designed for integration into existing test and measurement frameworks Secondary market availability with

tested functionality verification Cosmetic condition consistent with prior laboratory or production use

Typical Applications The 5086-7649 has been deployed in specialized measurement systems including the 84125C Microwave EMI Measurement System and the 85301B Antenna and Amplifier Radar Cross-Section Measurement System. Its buffering function supports signal path integrity in systems requiring precise RF/microwave signal conditioning and isolation.

Compatibility & Integration This buffer amplifier is interchangeable with other RF and microwave components within the Agilent/Keysight product portfolio, simplifying integration into existing laboratory and production test configurations. The component interfaces with standard RF connectors employed throughout Keysight's microwave measurement ecosystem.

50867649 Characteristics / Specifications

PARAMETER	VALUE
Model	5086-7649
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7649
Sku	5086-7649
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	5086-7649
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

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PARAMETER	VALUE
Model	5086-7649
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7649
Sku	5086-7649
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	5086-7649
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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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