

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 5087-7098

Agilent / Keysight RF Amplifiers. Channels: Up to three, Channels: Selectable up to 12 total, Channel: to-channel isolation.



MODEL

**Agilent / Keysight
5087-7098**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

5087-7098

LISTING

<https://aumictechlabs.com/products/5087-7098-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 5087-7098 (5087A) is a modular distribution amplifier that distributes signals from high-quality frequency standards with low distortion and high isolation. It accepts input frequencies of 5 MHz or 10 MHz (with some configurations supporting 1 MHz and 0.1 MHz), and provides up to 12 selectable output channels with individually adjustable voltage levels from 0 Vrms to 3 Vrms per channel. Technical Specifications Input & Output Architecture Input channels: Up to three Output channels: Selectable up to 12 total Input frequencies: 5 MHz, 10 MHz; optional 1 MHz and 0.1 MHz support Output voltage adjustment: 0 to 3 Vrms per channel (individually adjustable) Isolation Performance Amplitude change due to load (open or short): <0.1% Phase change due to load: <0.1 ns/°C at 5 and 10 MHz; <0.5 ns/°C at 1 MHz; 60 dB on all other outputs; >50 dB attenuation on 10 MHz output channel Power Supply AC input: 115 or 230 VAC ±10%, 48 to 440 Hz, 20 VA maximum External DC input (optional): 22–30 VDC, 600 mA maximum Well-regulated current with no measurable effect from line voltage fluctuations on output amplitude or phase Physical Dimensions: 88 mm H × 425 mm W × 286 mm D Weight: 7 kg net (typical, Option

031); 10 kg shipping

Key Features

- Modular design with configurable input and output amplifier modules
- Shielded amplifier stages minimize noise and crosstalk
- Tuned output amplifiers ensure clean signals and channel-to-channel isolation
- Dual power input capability (AC or optional external DC) for uninterrupted operation

Environmental

- Humidity: 95% at 40°C
- Altitude: Up to 30,000 ft
- Shock: MIL-T-21200, Class 1 and M

Typical Applications

Frequency standard distribution in metrology labs, atomic clock networks, and precision timing systems requiring multi-channel, low-distortion signal distribution.

50877098 Characteristics / Specifications

PARAMETER	VALUE
Model	5087-7098
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5087-7098
Sku	5087-7098
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	5087-7098
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

Technical Specifications

PARAMETER	VALUE
Model	5087-7098
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5087-7098
Sku	5087-7098
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	5087-7098
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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.