

**Aumictech**

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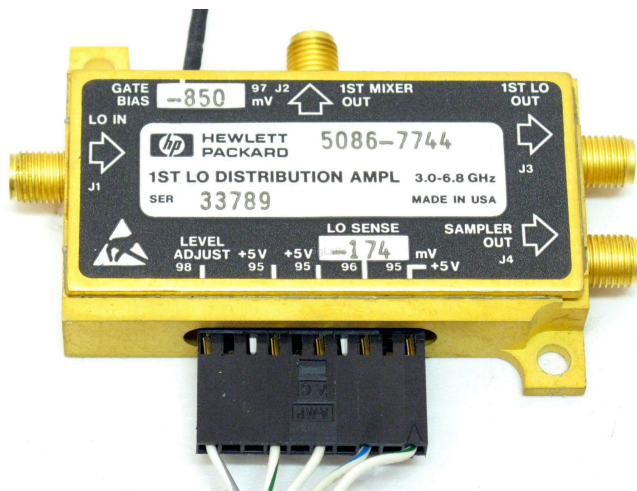
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 5086-7744

The Agilent/Keysight 5086-7744 is a component designed for use in various electronic systems and instruments. This component ensures reliable performance within specified parameters, contributing to the accuracy and stability of the overall system. It is suitable for integration into new designs or as a replacement part in existing equipment.

**MODEL****Agilent / Keysight
5086-7744****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****5086-7744****LISTING**<https://aumictechlabs.com/products/5086-7744-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 5086-7744 is a Local Oscillator (LO) Distribution Amplifier Module engineered to amplify and distribute LO signals across a 3.0 GHz to 6.8 GHz frequency range. Designed for integration into spectrum analyzers and RF/microwave test systems, this module maintains signal integrity across multiple internal signal paths, including mixer and sampler outputs. The 5086-7744 serves as both a direct replacement component for existing Agilent/Keysight equipment and as a building block for new system designs requiring high-frequency signal distribution. Technical Specifications Frequency Range: 3.0 GHz to 6.8 GHz Function: LO signal distribution and amplification 1st LO Output: +16 to +18 dBm (nominal operation) Mixer Output: -15 dBm (diagnostic reference) Sampler Output: -30 dBm (diagnostic reference) Dimensions: Approximately 3 × 2 × 1 inches Weight: Approximately 1 lbs Key Features Multi-path signal distribution to internal mixers and detection circuitry Specified output levels for

primary 1st LO path Module-level integration into larger RF measurement systems Diagnostic fault reporting via host instrument error codes (ERR 334 LO AMPLITUDE) Typical Applications Local oscillator distribution in spectrum analyzers RF and microwave test equipment requiring LO signal conditioning High-frequency signal path amplification and routing Compatibility & Integration Primary host instruments include the Agilent 8560E Spectrum Analyzer and HP 8561B Portable Spectrum Analyzer. The module is suitable for integration into additional Agilent/Keysight RF and microwave test equipment requiring LO distribution within the specified 3.0 GHz to 6.8 GHz operating range.

50867744 Characteristics / Specifications

PARAMETER	VALUE
Model	5086-7744
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7744
Sku	5086-7744
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	5086-7744
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	5086-7744
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7744
Sku	5086-7744
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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	5086-7744
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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
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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.