

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

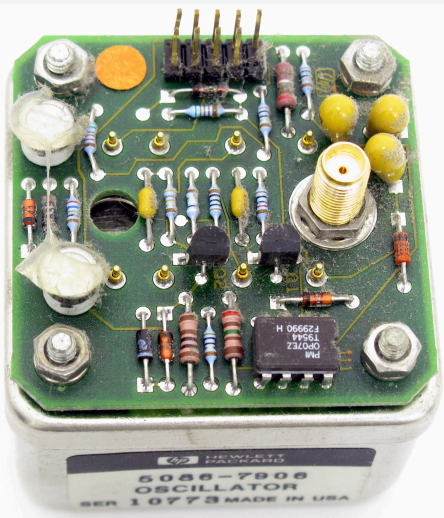
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 5086-7906 (5086-6906)

The Agilent/Keysight 5086-7906 (5086-6906) is a component designed for use in various electronic systems. This component is sourced from trusted manufacturers, ensuring reliability and optimal performance in demanding applications.

**MODEL****Agilent / Keysight
5086-7906/5086-
6906****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****5086-7906/5086-
6906****LISTING**[https://aumictechlabs.c
om/products/5086-790
6-5086-6906-2/](https://aumictechlabs.com/products/5086-7906-5086-6906-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 5086-7906 (5086-6906) is a YIG tuned oscillator (YTO) that generates stable, electronically tunable microwave signals for spectrum analyzer applications. This component enables precise frequency control and continuous swept analysis across extended RF and microwave bands, serving as a critical local oscillator in the 8560E series analyzer family and related instruments. The oscillator delivers clean, phase-stable output with tuning sensitivity of approximately 43 MHz per 1 mA of tuning current, supporting both wide dynamic range and synthesized frequency stepping. Technical Specifications Frequency range: 2 GHz to 20 GHz (YIG oscillator nominal operating band); compatible analyzers achieve 30 Hz to 26.5 GHz continuous sweep Tuning sensitivity: 43 MHz per 1 mA of tuning current Power supply requirements: +20 V and -10 V Tuning current: 42 mA at 1.8 GHz; 110 mA at 4.6 GHz Mixer output level: -43.3 dBm (typical); specification range -38 dBm to -45 dBm Associated filter insertion loss: -0.14 dB at

3.914 GHz

Key Features

- Electronic tuning across 2–20 GHz core band with extended low-frequency operation to 1.8 GHz
- Continuous frequency sweep capability supporting analyzer measurements from 30 Hz to 26.5 GHz
- Stable output performance with minimal phase noise characteristics
- Current-tuned architecture enabling rapid frequency stepping and synthesis

Typical Applications

- Local oscillator for RF/microwave spectrum analysis
- Broadband frequency sweep in receiver test systems
- Component replacement in field-service and upgrade scenarios for 8560E-series instruments

Compatibility & Integration

The 5086-7906 (5086-6906) is a replacement component for Agilent/Keysight spectrum analyzers: 8560E, 8560EC, 8560EL, 8561E, 8561EC, 8562E, 8562EC, 8563E, 8563EC, 8564E, 8564EC, 8565E, and 8565EC series. It integrates into the analyzer's local oscillator and tuning circuits as a modular assembly.

50867906 Characteristics / Specifications

PARAMETER	VALUE
Model	5086-7906/5086-6906
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7906 (5086-6906)
Sku	5086-7906/5086-6906
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	5086-7906/5086-6906
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	5086-7906/5086-6906
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 5086-7906 (5086-6906)
Sku	5086-7906/5086-6906
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	5086-7906/5086-6906
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
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.