

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 68087B Synthesized CW Generator, 0.01 GHz to 60.0 GHz

Anritsu 68087B Synthesized CW Generator 10 MHz to 60 GHz The Anritsu 68087B is a microprocessor-based synthesized CW generator covering 10 MHz to 60 GHz in the 680XXB family. It provides phase-locked discrete CW frequencies with front-panel LCD control and IEEE-488 GPIB remote programming for LO substitution and ATE. The Anritsu 68087B is a microprocessor-based synthesized CW generator covering 10 MHz to 60 GHz in the 680XXB family. It provides phase-locked discrete CW frequencies with front-panel LCD control and IEEE-488 GPIB remote programming for LO substitution and ATE.



MODEL

Anritsu 68087B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68087B

LISTING

<https://aumictechlabs.com/products/68087b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 68087B is a synthesized continuous-wave (CW) generator delivering stable, pure microwave signals across 0.01 to 60.0 GHz. It combines wide frequency coverage with precise synthesis for system validation, component testing, and automated test equipment (ATE) applications where signal integrity is critical. Technical Specifications Frequency Range: 0.01 GHz to 60.0 GHz (10 MHz to 60 GHz) Frequency Resolution: 100.0 mHz Output Power: Typically up to +12 dBm Phase Noise: Low SSB phase noise (Anritsu 69A family reference: typically -100 dBc/Hz)

at 10 kHz offset from 10 GHz) RF Output Connectors: Type K female up to 40 GHz; Type V female above 40 GHz; Extended-K (2.92 mm geometry) connectors available up to 43.5 GHz Dimensions: 429 mm (W) × 133 mm (H) × 597 mm (D) Weight: Approximately 23 kg (50 lb)Key Features
Modulation support: AM, FM, Pulse, and Phase Low spurious signals and harmonics per manufacturer specifications CW output with step sweep capability Front-panel control or remote IEEE-488 GPIB operationTypical Applications System validation and component testing RF and microwave measurement and characterization Local oscillator replacement in test systems Automated test equipment integrationCompatibility & Integration Fully controllable via local front-panel interface or remotely through IEEE-488 GPIB. Designed for integration into ATE environments and demanding RF/microwave test systems.

Features & description

From manufacturer datasheet

Features

- Frequency coverage 10 MHz to 60 GHz
- Synthesized phase-lock with high resolution
- Standard 1 kHz resolution; Option 11 for 0.1 Hz
- Banded leveled output per family power tables
- Optional Option 15 high power and Option 16 oven
- IEEE-488 GPIB remote programming

Applications

- Microwave stimulus across 10 MHz to 60 GHz
- ATE automated GPIB source applications
- Component and receiver testing in band
- LO substitution and swept measurements

68087B Characteristics / Specifications

PARAMETER	VALUE
Model	68087B
Manufacturer	Anritsu / Wiltron
Instrument Type	Synthesized CW Generator
Alias	68087B; Anritsu 68087B
Frequency range	10 MHz to 60 GHz
Family	680XXB Synthesized CW Generators
CW frequency resolution standard	1 kHz
CW frequency resolution Option	0.1 Hz
Leveled output 0.01 to less than 2 GHz	+12 dBm
Leveled output 2 to 20 GHz	+10 dBm
Leveled output greater than 20 to 40 GHz	+2.5 dBm
Leveled output greater than 40 to 50 GHz	+2 dBm
Leveled output greater than 50 to 60 GHz	+2 dBm
Leveled with step attenuator 0.01 to less than 2 GHz	+10 dBm
Leveled with step attenuator 2 to 20 GHz	+8.5 dBm
Leveled with step attenuator greater than 20 to 40 GHz	0 dBm
Output power resolution	0.01 dB
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day
Remote control	IEEE 488 GPIB
Display	Dot matrix LCD
Dimensions	about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb
AC power	90 to 132 or 180 to 264 Vac
Power consumption	about 400 VA

PARAMETER	VALUE
Harmonics family typical	-50 to -60 dBc
Nonharmonic spurious typical	-60 dBc
SSB phase noise 68XXXB at 6 GHz 10 kHz class	about -86 to -88 dBc/Hz
Related sweep model	68187B
Related signal generator	68287B
Related ultra low noise	69087A Notes Power rows from Anritsu 68000B/69000A El Toro datasheet tables for 68087B (10 MHz to 60 GHz). Confirm Option 11/15/16, attenuator, and RF connector on the unit.

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.

Specifications	
Specifications	
PARAMETER	VALUE
Output power resolution	0.01 dB
Internal time base aging	less than 2 x 10 ⁻⁸ /day
Internal time base aging Option 16	less than 5 x 10 ⁻¹⁰ /day
Remote control	IEEE 488 GPIB
Display	Dot matrix LCD
Dimensions	about 5.25 in H x 16.875 in W x 23.5 in D
Weight	about 50 lb
AC power	90 to 132 or 180 to 264 Vac
Power consumption	about 400 VA
Harmonics family typical	-50 to -60 dBc
Nonharmonic spurious typical	-60 dBc
Specifications	
PARAMETER	VALUE
Model	68087B
Manufacturer	Anritsu / Wiltron
Instrument Type	Synthesized CW Generator
Alias	68087B; Anritsu 68087B
Frequency range	10 MHz to 60 GHz
Family	680XXB Synthesized CW Generators
CW frequency resolution standard	1 kHz
CW frequency resolution Option 11	0.1 Hz
Levelled output 0.01 to less than 2 GHz: +12 dBm	
Levelled output 2 to 20 GHz: +10 dBm	
Levelled output greater than 20 to 40 GHz: +2.5 dBm	
Levelled output greater than 40 to 50 GHz: +2 dBm	
Levelled output greater than 50 to 60 GHz: +2 dBm	
Levelled with step attenuator 0.01 to less than 2 GHz: +10 dBm	
Levelled with step attenuator 2 to 20 GHz: +8.5 dBm	
Levelled with step attenuator greater than 20 to 40 GHz: 0 dBm	

Specifications

PARAMETER	VALUE
Output power resolution	0.01 dB
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option 16	less than 5×10^{-10} /day
Remote control	IEEE 488 GPIB
Display	Dot matrix LCD
Dimensions	about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb
AC power	90 to 132 or 180 to 264 Vac
Power consumption	about 400 VA
Harmonics family typical	-50 to -60 dBc
Nonharmonic spurious typical	-60 dBc

SSB phase noise 68XXXB at 6 GHz 10 kHz class: about -86 to -88 dBc/Hz

Specifications

PARAMETER	VALUE
Related sweep model	68187B
Related signal generator	68287B
Related ultra low noise	69087A

Notes

Power rows from Anritsu 68000B/69000A El Toro datasheet tables for 68087B (10 MHz to 60 GHz). Confirm Option 11/15/16, attenuator, and RF connector on the unit.

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 13, 2026

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