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Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz SME06 5KHz to 6GHz Signal Generator

Rohde & Schwarz SME06 Signal Generator 5 kHz to 6 GHz The R&S SME06 is the 6 GHz member of the SME digital/analog signal generator family (order 1038.6002.06). SME02/03/06 are electrically identical except for frequency ceiling: 5 kHz to 1.5 / 3 / 6 GHz. SME generates the complex signals used in digital mobile radio (modulation type, data format, TDMA structure, hop patterns) and remains a full analog AM/FM/pulse generator. List mode stores up to 4096 frequency/level pairs with setting less than 0.5 ms. Ultra-low RF leakage supports pager testing. The R&S SME06 is the 6 GHz member of the SME digital/analog signal generator family (order 1038.6002.06). SME02/03/06 are electrically identical except for frequency ceiling: 5 kHz to 1.5 / 3 / 6 GHz. SME generates the complex signals used in digital mobile radio (modulation type, data format, TDMA structure, hop patterns) and remains a full analog AM/FM/pulse generator. List mode stores up to 4096 frequency/level pairs with setting less than 0.5 ms. Ultra-low RF leakage supports pager testing.



MODEL

Rohde & Schwarz SME06

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SME06

LISTING

<https://aumictechlabs.com/products/sme06-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz SME06 signal generator provides high-quality signal generation from 5 kHz to 6 GHz. Featuring comprehensive modulation options such as AM, FM, PM, and pulse

modulation, it ensures signal fidelity and accuracy. Ideal for demanding tasks in aerospace, defense, and telecommunications.

Features & description

From manufacturer datasheet

Features

• User-programmable data sequences and TDMA structure • RF, LF, and level sweep • Optional pulse modulator SM-B9 for SME06 (on/off greater than 80 dB, rise/fall less than 10 ns) • Economy sibling SME03E (5 kHz to 2.2 GHz) omits some list-mode speed • Large option set for digital standards

Applications

• Digital mobile-radio receiver development and production • Analog receiver and EMS measurements • Frequency-hopping and list-mode ATE • TDMA / user data-sequence generation • High-sensitivity pager and leakage-critical benches

SME06 Characteristics / Specifications

PARAMETER	VALUE
Model	SME06
Manufacturer	Rohde & Schwarz
Instrument Type	Digital / analog signal generator
Alias	SME 06; R&S SME06
Order Number	1038.6002.06
Frequency Range	5 kHz to 6 GHz
Sibling SME02 Range	5 kHz to 1.5 GHz
Sibling SME03 Range	5 kHz to 3 GHz
Sibling SME03E Range	5 kHz to 2.2 GHz
List Mode Pairs	up to 4096 (not SME03E)
List Mode Setting Time	less than 0.5 ms
Pulse On Off Ratio	greater than 80 dB (SM-B9)
Pulse Rise Fall	less than 10 ns (SM-B9)
Pulse Modulator Option SME	SM-B9
Modulation Analog	AM, FM, pulse
Modulation Digital	mobile-radio standards per installed options
Sweep Types	RF, LF, level
RF Leakage	ultra-low, pager-class shielding
Remote Interface	IEC IEEE bus
Form Factor	benchtop SME family chassis
Intended Standards	GSM and other digital cellular / PMR (option dependent)
Data Sequences	user programmable
TDMA Structure	user programmable
Hop Patterns	supported
Analog World	full conventional signal-generator functions

PARAMETER	VALUE
Economy Sibling	SME03E, reduced list-mode capability
Family Identity	SME02/03/06 identical except frequency range Notes Specs from the R&S SME Signal Generator data sheet. Digital-standard capability is entirely option-dependent. Confirm SM-B9 pulse modulator and installed digital-standard options on the SME06 configuration label.

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
Model	SME06
Manufacturer	Rohde & Schwarz
Instrument Type	Digital / analog signal generator
Alias	SME 06; R&S SME06
Order Number	1038.6002.06
Frequency Range	5 kHz to 6 GHz
Sibling SME02 Range	5 kHz to 1.5 GHz
Sibling SME03 Range	5 kHz to 3 GHz
Sibling SME03E Range	5 kHz to 2.2 GHz
List Mode Pairs	up to 4096 (not SME03E)
List Mode Setting Time	less than 0.5 ms
Pulse On Off Ratio	greater than 80 dB (SM-B9)
Pulse Rise Fall	less than 10 ns (SM-B9)
Pulse Modulator Option SME06	SM-B9
Pulse Modulator Option SME02	SM-B3
Pulse Modulator Option SME03	SM-B8
Modulation Analog	AM, FM, pulse
Modulation Digital	mobile-radio standards per installed options
Sweep Types	RF, LF, level
RF Leakage	ultra-low, pager-class shielding
Remote Interface	IEC IEEE bus
Form Factor	benchtop SME family chassis
Intended Standards	GSM and other digital cellular / PMR (option dependent)
Data Sequences	user programmable
TDMA Structure	user programmable
Hop Patterns	supported

PARAMETER

VALUE

Analog World

full conventional signal-generator functions

Option Concept: field-configurable digital and analog options

Economy Sibling: SME03E, reduced list-mode capability

Family Identity: SME02/03/06 identical except frequency range

Notes

Specs from the R&S SME Signal Generator data sheet. Digital-standard capability is entirely option-dependent.

Confirm SM-B9 pulse modulator and installed digital-standard options on the SME06 configuration label.

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.