

ROHDE & SCHWARZ

SGT100A

The Rohde & Schwarz SGT100A is a compact SGMA vector signal generator optimized for automated test environments and production systems. It features a fast frequency and level setting time, a small form factor, and supports a wide array of wireless communication standards via modern digital vector modulation.

SPECIFICATIONS

Frequency

Minimum Frequency	1 MHz Hz
Maximum Frequency	6 GHz (option-dependent) Hz
Frequency Resolution	0.001 Hz

General

Reference Oscillator	10 MHz (TCXO standard, OCXO optional via SGT-B1)
Interfaces	PCIe (single-lane), LAN (Gigabit Ethernet), USB 2.0 host/device
Display	None (headless SGMA architecture with status LEDs)

Power & Physical

Form Factor	1/2 19" rack width, 1 HU height
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LO Coupling

Phase Coherence Option	R&S®SGT-K90
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Power Supply

AC Input Voltage Range	100 V to 240 V AC
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Software & Control

Control Software	R&S®SGMA-GUI
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Level

RF Level Setting Resolution	0.01 dB
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Interfaces

LAN Interface Speed	10/100/1000 Base-T
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Inputs & Outputs

LO Input Impedance	50 Ω (nominal)
LO Output Impedance	50 Ω (nominal)
Reference Input Impedance	50 Ω (nominal)
Reference Output Impedance	50 Ω (nominal)

TECHNOLOGY

RF Vector Signal Generation

APPLICATIONS

Automated production testing, multi-channel RF setup, and component test

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.