

ANRITSU

MG3660A

The Anritsu MG3660A is a Digital Modulation Signal Generator designed as an economic version of the MG3671A/B. It features a frequency range of 300 kHz to 2.75 GHz, excellent signal purity, and support for up to five internal modulation units, making it highly versatile for testing digital mobile communication systems.

SPECIFICATIONS

General

Interfaces	GPIO (standard)
Display	LCD
Save/Recall Memory	1000 states (100 blocks × 10 memories)

Physical

Power Supply	100 to 120 V AC / 200 to 240 V AC, 47.5 to 63 Hz, ≤ 300 VA
Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	426 mm × 177 mm × 451 mm mm
Weight	16 kg or less (excluding options) kg

Frequency

Frequency Range	300 kHz to 2.75 GHz
Frequency Resolution	0.01 Hz

Amplitude

Output Level Range	-143 to +13 dBm
Output Level Resolution	0.1 dB
Output Impedance	50 Ω

Clock & Reference

Internal Reference Oscillator Frequency	10 MHz
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Modulation

Modulation Slots	Up to 5 slots for digital modulation units
Option-Dependent Modulation Units	MG0301C (π/4 DQPSK), MG0302A (GMSK/GFSK), MG0303A (QPSK/16QAM), MG0305A (Flexible Vector), MG0307A (W-CDMA), MG0310A (GSM)
External I/Q Bandwidth	DC to 15 MHz (3 dB)

Reference Oscillator

Reference Oscillator Aging Rate	≤ 2 × 10 ⁻⁸ /day (standard); ≤ 5 × 10 ⁻¹⁰ /day (Option 01); ≤ 5 × 10 ⁻⁹ /day (Option 02)
Reference Oscillator Temperature Stability	≤ 5 × 10 ⁻⁸ (0 to 50 °C, standard)

Spectral Purity

Harmonics	≤ -30 dBc
Non-Harmonic Spurious	≤ -50 dBc (at ≥ 10 kHz offset)
SSB Phase Noise	≤ -110 dBc/Hz (at 1 GHz, 20 kHz offset)

RF Output

Output Connector	N-type, female (50 Ω)
Level Accuracy	±1.0 dB (≥ -100 dBm, 300 kHz to 2 GHz), ±1.5 dB (≥ -100 dBm, 2 GHz to 2.75 GHz)

Sweep

Sweep Modes	Frequency, Amplitude
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Inputs & Outputs

External I/Q Input Connector	BNC female (I and Q)
Reference Output Connector	BNC female (10 MHz)
Reference Input Connector	BNC female (1, 2, 5, 10 MHz)

TECHNOLOGY

Digital RF Modulation

APPLICATIONS

Testing digital mobile communications and receiver characteristics

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