

MODEL NUMBER:
ERG6G

RF Signal Generator



DESCRIPTION

ERG6G can generate analog and vector signals, and has a frequency range of 9 kHz to 6 GHz. It has leading performance in phase noise, spectral purity, bandwidth, EVM and output power. The internal IQ modulation generator and waveform playback function make it easy to create even the most complex signal types. The ERG6G covers most important RF band for digital wireless communications and includes standard waveform files. The ERG6G are powerful and cost effective sources that are ideal for R&D, education, and manufacturing.

FEATURES AND BENEFITS

- Frequency up to 6 GHz
- 0.001 Hz frequency setting resolution
- Maximum output power up to +26 dBm (typ.)
- Phase Noise: -120 dBc/ Hz @ 1 GHz, 20 kHz offset (typ.)
- User programmable flatness correction
- Provides AM, FM, PM analog modulation with internal, external or Int+Ext source
- Single pulse, double pulse and pulse train generator (option)
- Internal IQ modulation with 150 MHz modulation bandwidth with perfect in-factory calibration
- Built-in digital communication standard waveform files such as 5G-NR,LTE, WCDMA, WLAN, Blue-Tooth, CDMA
- Internal Custom mode generate common IQ signals such as QAM, FSK, ASK, MSK
- Analog differential I/Q outputs
- External analog I/Q input
- USB-power meter measurement
- 5 inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface includes USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB