

TFG3836 RF Signal Generator



Features

- Frequency up to 3.6GHz
- 0.01Hz frequency resolution
- Level output from -110dBm to +13dBm, maximum level up to +20dBm
- Phase noise: < -105dBc/Hz@20 kHz (typ.)
- Level accuracy: ≤ 0.5 dB (typ.)
- Provides standard AM, FM, ϕ M and Pulse modulation (on/off ratio up to 70dBc)
- 7 inch TFT capacitive touch screen
- Standard interface include USB Host, USB Device and LAN

Specification

Frequency		
Range		9kHz ~ 3.6GHz
Resolution		0.01Hz
Spectral Purity		
Harmonic (CW mod, 1MHz $\leq$ f $\leq$ 3.6GHz, level $\leq$ +13 dBm)		<-30 dBc
Non-harmonic (CW mod, level $\geq$ -10 dBm, carrier offset $\geq$ 10kHz)	100kHz $\leq$ f $\leq$ 2.4GHz	<-60dBc, <-70 dBc (typ.)
	2.4GHz $\leq$ f $\leq$ 3.6GHz	<-54dBc, <-64 dBc (typ.)
SSB Phase Noise (CW mod, carrier offset=20kHz, 1Hz bandwidth)	100kHz $\leq$ f $\leq$ 2.4GHz	<-105dBc/Hz, <-110 dBc/Hz (typ.)
	2.4GHz $\leq$ f $\leq$ 3GHz	<-100dBc/Hz, <-105 dBc/Hz (typ.)
	3GHz $\leq$ f $\leq$ 3.6GHz	<-100dBc/Hz, <-105 dBc/Hz (typ.)
Level		
Setting Range		-110dBm to +20dBm
Specified Range		-110dBm to +13dBm
Resolution		0.01dB
Accuracy	100kHz $\leq$ f $\leq$ 3.6GHz	≤ 1 dB, ≤ 0.5 (typ.) (output level: +13dBm ~ -10dBm)
		≤ 2 dB, ≤ 0.7 (typ.) (output level: -60dBm ~ -110dBm)
VSWR	1MHz $\leq$ f $\leq$ 3.6GHz	<1.8 (typ.)
Internal Modulation Generator (LF)		
Waveform		Sine Square
Frequency Range	Sine	DC~200kHz
	Square	DC~20kHz
Resolution		0.01Hz
Voltage Range		AC: 0 ~ 3V, DC: -3V ~ 3V
Sweep		
Function		Frequency Sweep, Level Sweep
Modulation		
Type		AM, FM, ϕ M, Pulse modulation
General Characteristics		
Power		AC 100~240V, 50/60Hz(1 $\pm$ 10%), 60VA
Dimension & Weight		364 $\times$ 154 $\times$ 388 mm, 6kg

Standard Accessories

Power Cord: 1
N-BNC Connector: 1
CD (Software+User's Guide): 1



Power Cord



N-BNC Connector



CD

Options

OCXO: <5 $\times$ 10⁻⁷