

АКИП-3212/1 Генератор сигналов высокочастотный 9 кГц - 3 ГГц



Overview

RF signal generator have a frequency range from 9KHz to 3.6GHz. Except of normal analog modulation such as AM, FM and ϕ M, it can also provide pulse modulation. In addition, sweep capability for frequency and power could also be supported.

With higher accuracy and pure output, the RF signal generator could be the good choice for R&D, education and manufacturer.

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 > -10 dBm, carrier offset > 10kHz)	100kHz \leq f \leq 2.4GHz	<-60dBc, <-70 dBc (typ.)
	2.4GHz < 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 < f \leq 3GHz	<-100dBc/Hz, <-105 dBc/Hz (typ.)
	3GHz < f \leq 3.6GHz	<-94dBc/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	\leq 1 dB, \leq 0.5 (typ.) (output level: +13dBm ~ -10dBm) \leq 2 dB, \leq 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, φM, Pulse modulation
General Characteristics	
Power	AC 100~240V, 50/60Hz(1±10%), 60VA
Dimension & Weight	364×154×388 mm, 6kg