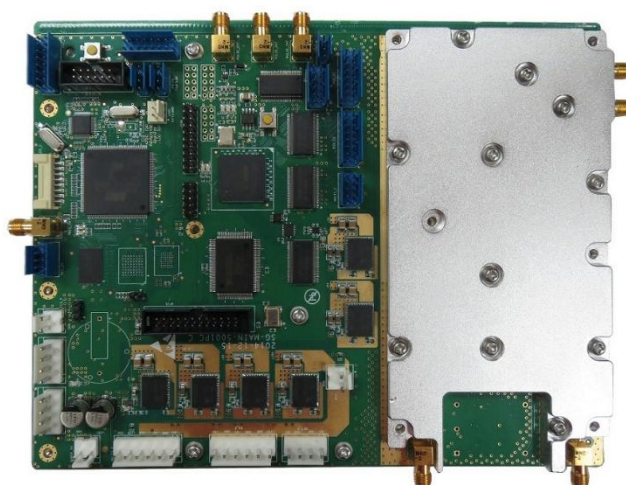


Features

- ◆Support fast frequency sweep
- ◆Excellent phase noise performance
- ◆Switching frequency time only 300 μ s
- ◆Ultra low frequency resolution down to 1 μ Hz
- ◆Wide output frequency range from 4GHz to 8GHz

Applications

- ◆Local oscillator
- ◆R&D laboratories
- ◆Test and measurement
- ◆Frequency sweep source



Absolute Maximum Ratings

Parameter	Symbol	Condition	Min.	Max.	Unit
Operating Temperature	To		-40	+70	°C
Storage Temperature	Ts		-40	+80	°C
Reference Input Power	R _{Pin}		0	10	dBm
Relative Humidity	HR			95	%
Pressure	PR		86	106	Kpa
ESD		Human body model		Class 1A	

Typical Specification (@25°C)

Parameter	Test Condition	Value	Unit
Output Frequency		4G ~ 8G	Hz
Reference Input Frequency		DC~350M	Hz
Reference Input Power		0~10	dBm
Frequency Step	10MHz ~ 20GHz	1	μHz
Frequency Switching Time		< 300	μs
Output Waveform		Sine	
Output RF Power	50Ω	0	dBm
Phase Noise	4GHz	-84 @100Hz -99 @1kHz -110 @10kHz -107 @100kHz -115 @1MHz -139 @10MHz	dBc/Hz
	8GHz	-78 @100Hz -93 @1kHz -104 @10kHz -102 @100kHz -113 @1MHz -140 @10MHz	dBc/Hz
Spurious		<-15 (typ.)@harmonics <-55 (typ.)@fractional frequencies	dBc
Operating Voltage	DC	V1 : +6 V2 : -6 V3 : +24	V
Operating Current	+6V	500	mA
	-6V	30	mA
	+24V	30	mA
RF Port Impedence	SMA	50	Ω

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