

DESCRIPTION

The TEG10200-1 is a Laboratory-quality, Synthesized RF Signal Source with 15dBm Output Power

The TEG10200-1 is the smallest USB microwave synthesized source available and is also priced significantly below the current market offerings.

Applications include local oscillator for frequency conversion, Scalar measurements and two or more can be combined for multi-tone testing . Use of the optional HUB allows the source to remain in a given state even after the host PC is removed from the system.

The switch also contains 0.5GB of flash memory used for installation files, test data and other supporting documentation. Drivers, utilities and documentation are available on the source itself.

CALIBRATION

Full results from factory test data are stored in each unit's flash memory and available through USB interface



RF DESIGN SERVICES



# TEG10200-1 Rev A Sept2010

BENEFITS

Synthesized RF Source

USB 2.0 Interface

9.3GHz to 10.2GHz

FEATURES

+15dBm Output

PC Software supported

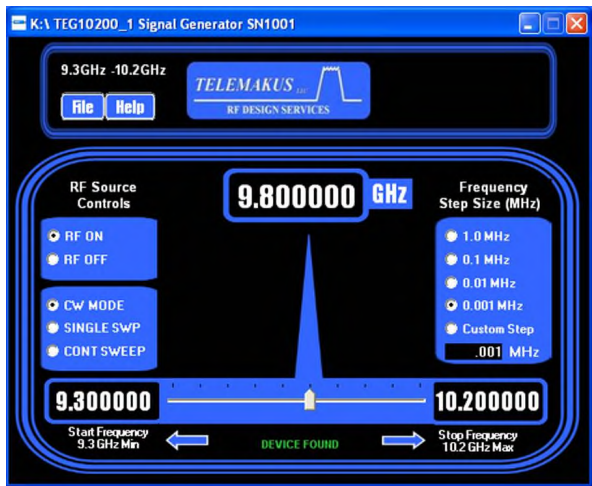
Internal 10MHz Xtal Ref

-95dBc@100KHz phase noise

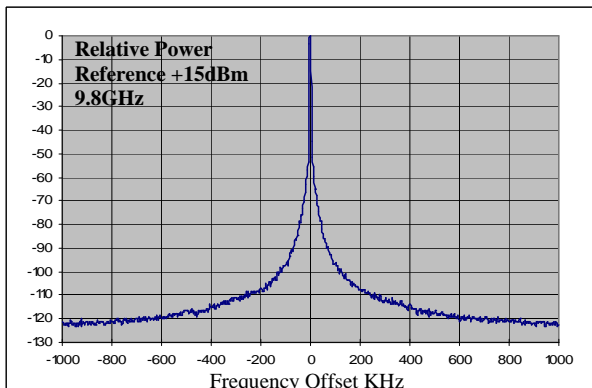


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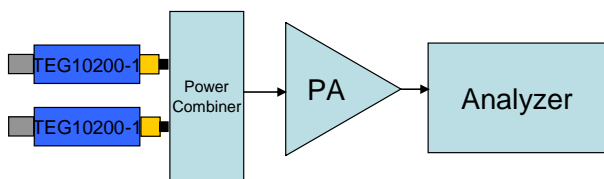
Primary Business Address  
13405 Folsom Blvd #502  
F O L S O M  
C A , 9 5 6 3 0



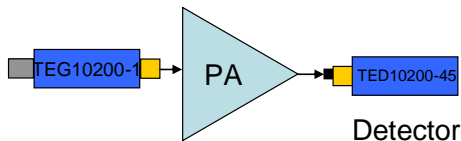
Easy to use graphical Interface with both numeric entry or slider controls.



### Typical Phase Noise



Two Tone Testing



Scalar Measurements

### Typical Test Configurations



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Ordering information			
Model	Frequency	Typ Output Power	Phase Noise
TEG10200-1	9.3GHz to 10.2GHz	+15dBm	-95dBc@100KHz
TEG1000-10	0.7-1GHz	+10dBm	-105dBc@100KHz
TEG2700-6	1.8-2.7GHz	+10dBm	-105dBc@100KHz

Specifications	
Parameter	Specification
Freq Range	9.3GHz to 10.2GHz
Internal Ref	10MHz(2.5PPM Over Temp)
Interface	USB 2.0
Current	250mA @5V(USB)
Step Size	Programmable, 1KHz Resolution
Phase Noise	-95dBc/Hz@100KHz
Spurious	-75dBc
Harmonics 2nd,3rd	-20dBc, -30dBc
Power Output	+15dBm typ
Pout Control	ON/OFF
RF Connectors	SMA Female
Weight	<1oz
USB Connector	Mini A

Environmental			
Temperature Range	-40 to +55 degC		
Not Environmentally sealed			

**Warning:**  
Unit should not be turned ON without an appropriate load at the output due to a risk of overheating

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