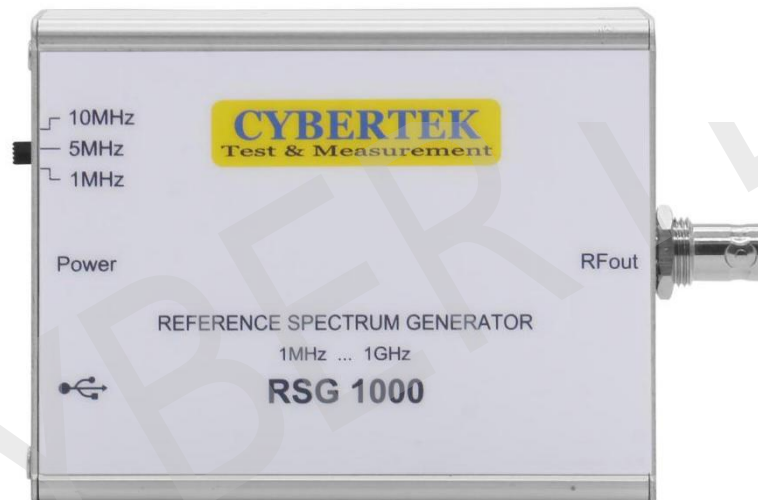


Reference Spectrum Generator

RSG 1000



Shenzhen Zhiyong Electronics Co., Ltd

1.Summary

RSG 1000 is the reference spectrum generator ranging from 1MHz to 1GHz. It is the comb waveform generator created by highly stable TCXO, with USB port power supply, easy to use. Optional linear spacing is 1MHz, 5MHz, or 10MHz. Normally used in lab measuring and adjustment comparison.

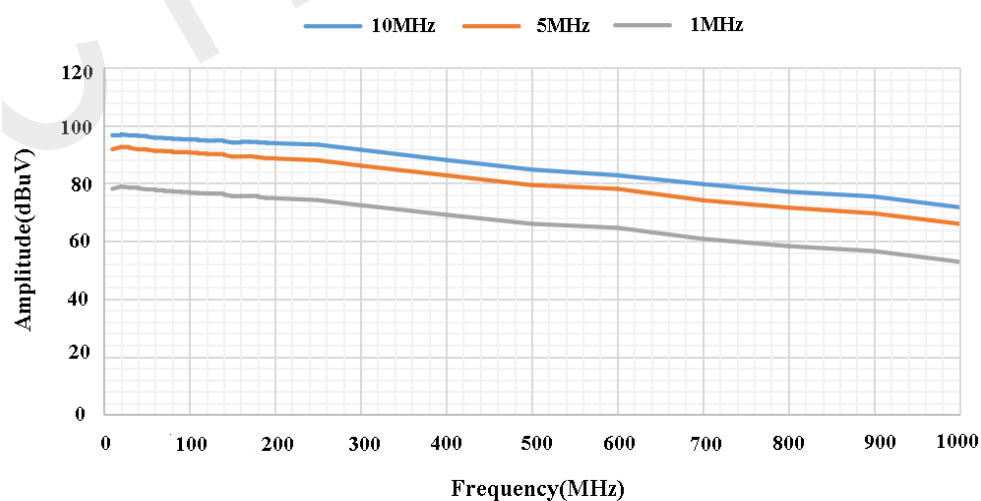
2. Product Description



- ① Select switch: select 1MHz, 5MHz or 10MHz frequency range according to needs
- ② Power supply port: USB power supply port
- ③ Output Port: RF signal output, BNC port.

3. Electronics Specifications

Frequency range	1 MHz~1 GHz
comb spacing	1 MHz,5 MHz,10 MHz
Frequency stability(oscillators, 10MHz)	≤2.5 ppm (0 ℃ to +50 ℃)
Aging rate	≤±1 ppm
Stability of the signal	≤±0.2 dB (20 ℃ constant temperature) ≤±0.5 dB(+10 ℃ to+30 ℃) ≤±0.8 dB(+0 ℃ to+40 ℃)
Output level, 50Ω, typical 10MHz spacing	≥93 dB μV @ 30 MHz, ≥65 dB μV @ 1 GHz
Output level, 50Ω typical curve figure	Refer to the figure below
Connector (RF output)	BNC port (50Ω)
Power supply	USB power supply port
Operating temperature	+10 ℃ to +30 ℃
Storage and transport temperature	-40 ℃ to +70 ℃
Relative operating humidity	0%~80% no condensation
Operating altitude	≤2000 m
Storage and transport altitude	≤12000 m
Dimension (W×H×D)mm	121×80×37mm
Weight	239g



Typical Output Characteristics Curve

4. Packing List

Packing List	
RSG1000	1
USB connecting cable (AM-BM, 1.5m)	1
BNC cable 2 m	1
Instruction manual	1
Warranty card	1
Test report	1

CYBERTEK

SHENZHEN ZHIYONG ELECTRONICS CO., LTD.

Addr: Room A1702, Building 4, TianAn Cyber Park, HuangGe North Road, LongGang
District, ShenZhen City, China

Tel: +86-400 852 0005
+86-755-86628000

Q Q: 400 852 0005

Fax: +86-755-86620008

Email: cybertek@cybertek.cn

URL: <http://www.cybertek.cn>

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