

太赫兹返波管BWO

产品名称	太赫兹返波管BWO
公司名称	上海屹持光电技术有限公司
价格	10000.00/件
规格参数	品牌:Eachwave 型号:BWO
公司地址	上海市闵行区剑川路955号1108室
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产品详情

Broadband BWO oscillators 33-90 GHz

Features

37-90 GHz in 4 bands

Frequency accuracy 0.01%

Full waveguide sweep in all bands

Fully packaged and automated

Program from front panel or GPIB bus

Remote controlled, phase lockable

Bias tuneable for AFC

High output power

Applications

Instrumentation automated subsystems

Laboratory measurement and test equipment

Source for Network Analysers, Plasma diagnostics and spectrometer

Sweeping Heterodyne Receivers, frequency and spectrum analysis for gyrotrons

产品描述 :

G4-143x series

The G4-143x series is fully packaged sweeper source. The microcomputer is integrated into the device provides total control of the system. The sweeper self-tests at turn-on. Two independent DAC 's control frequency and output power. Minimal built-in full band sweep time is 10ms. User from front panel or GPIB bus controls power, initial and final frequency, time of sweep, internal amplitude modulation. Various programs of power and frequency change are provided including 10 user-defined programs. There are two inputs for external frequency and power control. The rugged High Voltage power supply is specially designed to withstand the rapid voltage changes inherent in BWO deceleration. Each generator is individually calibrated for output power versus frequency, with different power levels and frequency versus control voltage relationships. Download operation manual for G4-143e (75-110GHz) here

SGMW-x series

The SGMW-x series is fully packaged sweeper source. The sweeper consists of external module with BWO-X series and power supply. There are all the electronic circuitry and power supplies required to provide the operation of BWO. The sweeper self-tests at turn-on. BWO tube is fully protected against improper voltage connections. There are two inputs for external frequency and power control. Phase locking possibility is provided. Minimal built-in full band sweep time is 10ms. One power supply can be used with different BWO. Particularly, the remote module with BWO tube allows using it at hard-to-reach places and can be installed quite away, somewhere near a scientist 's work desk. Another great advantage of this series of BWO sweepers is its power supply unit, that allows feed up to few BWO tubes even with different working frequencies. Download operation manual for SGMW-x here

Common Specifications
Frequency accuracy in the CW mode, ± 0.01 Built-in Sweep Time, ms 10^* Maximum CW frequency stability for 15 min $\pm 2 \cdot 10^{-4}$ Residual FM max $\pm 2 \cdot 10^{-5}$ Output power regulation range, dB0-10...20** Output VSWR1.5 Internal square-wave modulation frequencies, kHz1-100 External square-wave modulation frequencies, kHz1-100 Voltage for External Frequency Control, VDC0 ... +10 Voltage for External Power Control, VDC0 ... +10 Operating temperature range, C+5...+40 AC Input Voltages 220 V, 50 Hz (110V/60Hz*) Consumed power, VA400 Size of G4-143x, mm495 x 180 x 480 Size Power Supply SGMW, mm490 x 240 x 272 Weight Power Supply SGMW, kg5 Size BWO module for SGMW, mm150 x 180 x 200 Weight BWO module for SGMW, kg4 Length of connection cable for SGMW, m1...2 (specify in order)

* Full one band sweep time: less than 200 microseconds with external frequency control** Uncontrolled (not specified) parameter

Specifications G4-143x
G4-143x G4-143a G4-143b G4-143c G4-143d
Frequency range, GHz 33-54 40-60 50-75 60-90
Output waveguide type WR22 WR19 WR15 WR12
Waveguide Flange UG-383/UUG-383/U-MUG-385/UUG-387/UM
Minimum CW power, mW 50 100 25 25
Typical peak power, mW 150 200 80 80
Specifications SGMW-X-ABWO modules for SGMW
BWO-QBWO-UBWO-VBWO-
EF
Frequency range, GHz 33-54 40-60 50-75 60-90
Output waveguide type WR22 WR19 WR15 WR12
Waveguide Flange UG-383/UUG-383/U-MUG-385/UUG-387/UM
Minimum CW power, mW 50 100 25 25
Typical peak power, mW 150 200 80 80
Typical data for V and E bands BWO