

Description

Mi-Wave's 957 Series Phase Locked Oscillators uses fixed frequency low noise synthesizer technology. These oscillators use an external reference from 1MHz to 600MHz and frequency outputs from 100MHz to 110GHz.

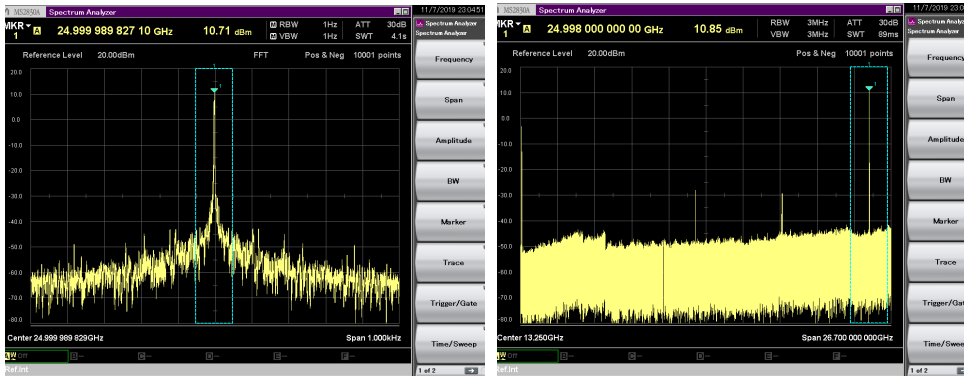
Both coaxial and waveguide versions available. Internal crystal references are available on request.

- **Features**
- **TTL Phase Lock Indicator Alarm**
- **Phase Lock Indicator L.E.D.**
- **Low Phase Noise**
- **Compact Design**
- **High Power Versions**

Open loop phase noise offset @ 16GHz

- 80 dBc @ 10Hz
- 100 dBc 100kHz
- 130 dBc @ 1Mhz
- 150 dBc @ 10MHz

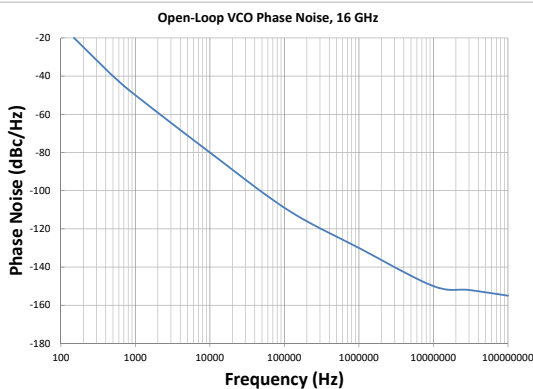
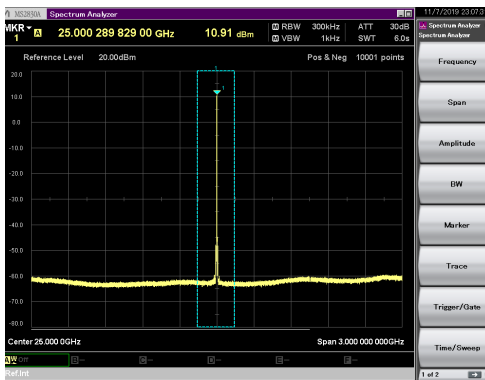
Coax & Waveguide Versions



Specifications	
Reference Input	1 to 600 MHz **
Frequency Output	100 MHz to 110 GHz
Output Port	+13 dBm typical*
Harmonics	-30 dBc typical
Spurious	-60 dBc typical
Temperature Range	-20° to +50° C
Operating Voltage	+8 to +15 VDC
Lock Time	3ms

* Depending upon frequency
Higher output power available

** External Reference must be powered on before or at the same time as PLO. Consult Mi-Wave for output frequency vs reference frequency requirements.



Ordering Information

