

# Low Phase Noise Microwave Phase-Locked-OSC

## 50MHz to 6000MHz

### Surface Mount Model : PLSS30-602-000(V)-IR

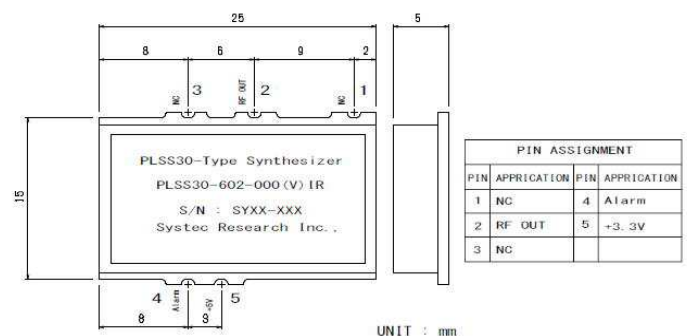
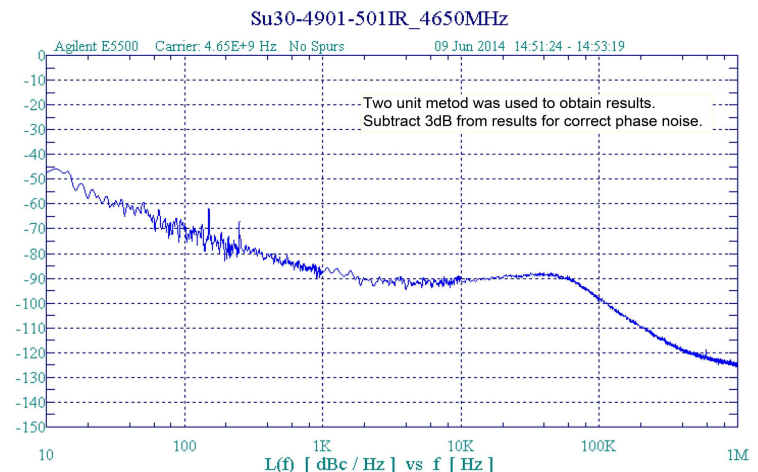
## Features

- \* Turner-Key Microwave Signal Sources
- \* Wide Frequency Range : 50 ~ 6000MHz
- \* Compact SMD : 15 x 25 x 5 mm
- \* Internal Reference : 20MHz TCXO
- \* Low Phase Noise,  $f_c=6\text{GHz}$  : -95dBc/Hz @ 10KHz
- \* Single DC Bias : +3.3V, 180mA
- \* Lead Free : RoHS Compliant



## Typical Performance

Operating Frequency Range	50 ~ 6000MHz
Output Frequency	Assigned one(1) Frequency <sup>(1)</sup>
Output Power	+3dBm
Phase Noise at 6GHz	-90dBc/Hz @ 10KHz -100dBc/Hz @ 100KHz
Spurious, Harmonics	-20dBc
Non-Harmonics	-65dBc
Frequency Stability -30 ~ +70°C	±1ppm <sup>(2)</sup>
Un-Lock Alarm	Lock: ≥ 2.5V Un-Lock: ≤ 0.5V
DC Bias	+3.3V, 180mA Max
Operating Temp. Range	-35 ~ +85°C



## Note

- (1) The Output frequency will be assigned by customers.
- (2) The Operation by External reference, 10~100MHz will be available.

## SYSTEC RESEARCH Inc.,

6-24-14 Sagamihara, Chuo-ku, Sagamihara-City 252-0231 JAPAN

Tel : +81-42-759-7440 Fax : +81-42-759-3234

E-mail : info@systec-r.com URL : http://www.systec-r.com/