

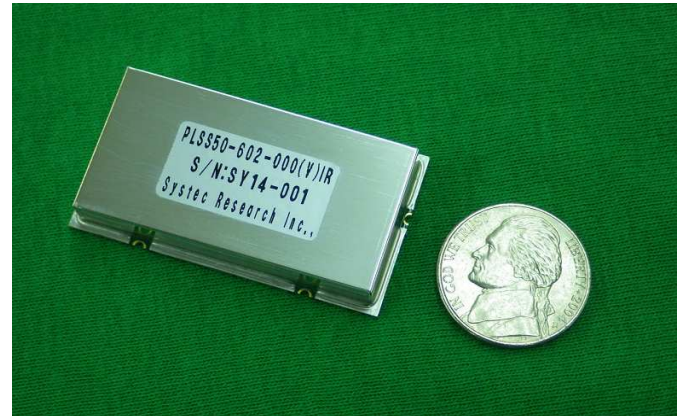
Low Phase Noise Microwave Phase-Locked-OSC

50MHz to 6000MHz

Surface Mount Model : PLSS50-602-000(V)-IR

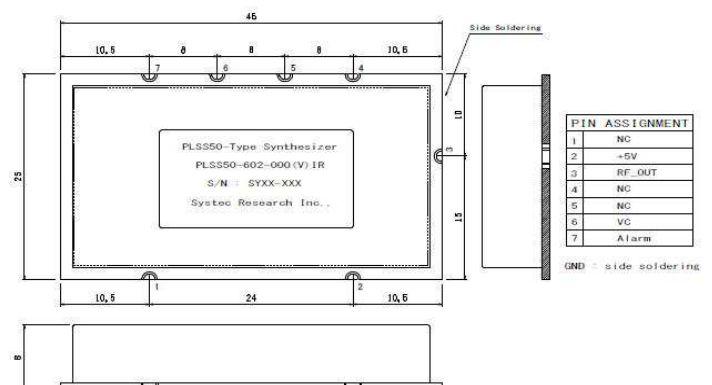
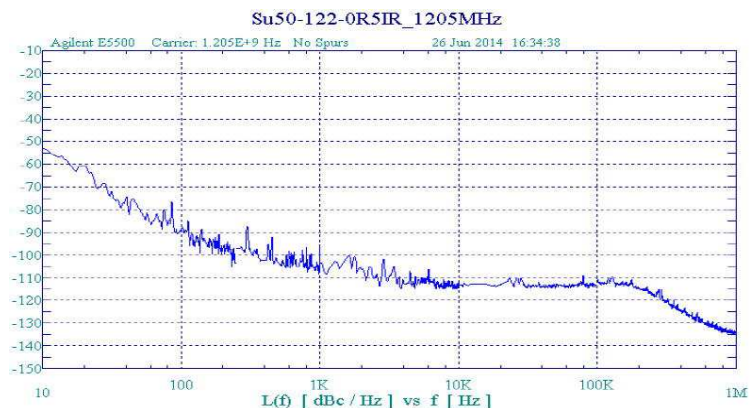
Features

- * Turner-Key Microwave Signal Sources
- * Wide Frequency Range : 50 ~ 6000MHz
- * Compact SMD : 25 x 45 x 8 mm
- * Internal Reference : 100MHz TCXO
- * High Frequency Stability : 0.5ppm
- * Low Phase Noise, $f_c=6\text{GHz}$: -100dBc/Hz @ 10KHz
- * Single DC Bias : +5V, 400mA
- * Lead Free : RoHS Compliant



Typical Performance

Operating Frequency Range	50 ~ 6000MHz
Output Frequency	Assigned one(1) Frequency ⁽¹⁾
Output Power	+3dBm
Phase Noise at 6GHz	-100dBc/Hz @ 10KHz -110dBc/Hz @ 100KHz
Spurious, Harmonics Non-Harmonics	-20dBc -65dBc
Frequency Stability -30 ~ +70°C	±0.5ppm ⁽²⁾
Un-Lock Alarm	Lock: ≥ 2.5V Un-Lock: ≤ 0.5V
DC Bias	+5V, 400mA 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/>