

Low Phase Noise Microwave Phase-Locked-OSC

50MHz to 4000MHz

Surface Mount Model : PLSS25-402-000(V)-IR

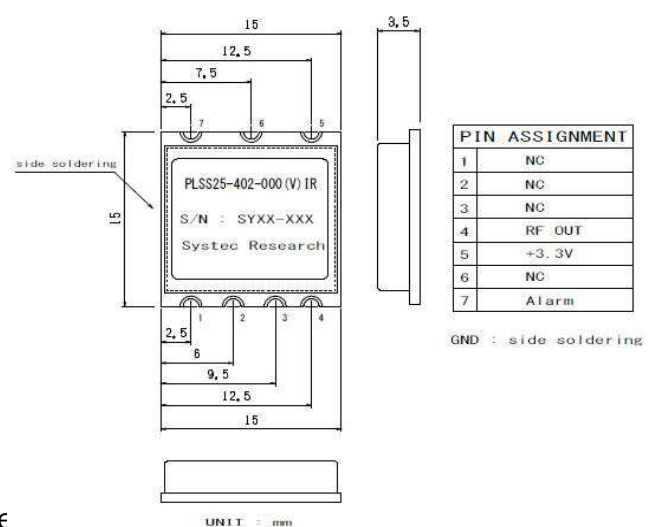
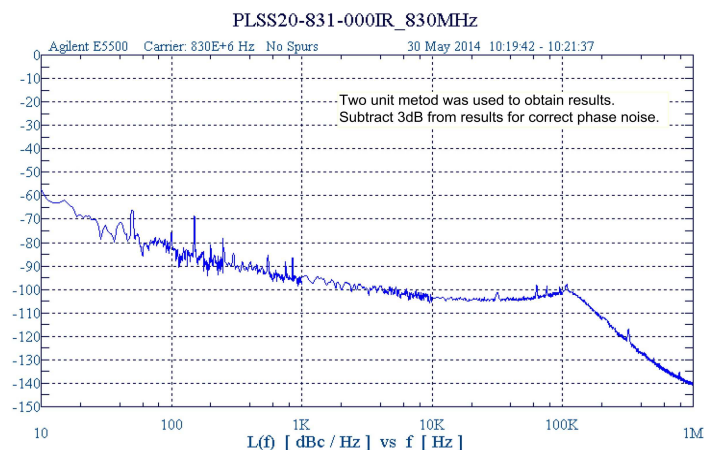
Features

- * Turner-Key Microwave Signal Sources
- * Wide Frequency Range : 50 ~ 4000MHz
- * Compact SMD : 15 x 15 x 3.5 mm
- * Internal Reference : 20MHz TCXO
- * Low Phase Noise, $f_c=4\text{GHz}$: -95dBc/Hz @ 10KHz
- * Single DC Bias : +3.3V, 150mA
- * Lead Free : RoHS Compliant



Typical Performance

| | |
|--------------------------------------|--|
| Operating Frequency Range | 50 ~ 4000MHz |
| Output Frequency | Assigned one(1) Frequency ⁽¹⁾ |
| Output Power | +3dBm |
| Phase Noise at 4GHz | -95dBc/Hz @ 10KHz -110dBc/Hz @ 100KHz |
| Spurious, Harmonics Non-Harmonics | -20dBc -65dBc |
| Frequency Stability -30 ~ +70°C | ±1ppm ⁽²⁾ |
| Un-Lock Alarm | Lock: ≥ 2.5V Un-Lock: ≤ 0.5V |
| DC Bias | +3.3V, 150mA Max |
| Operating Temp. Range | -35 ~ +85°C |



Note

- (1) The Output frequency will be assigned by customer
- (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/