

Low Phase Noise Microwave Phase-Locked-OSC

50MHz to 4000MHz

Surface Mount Model : PLSS20-402-000(V)-IR

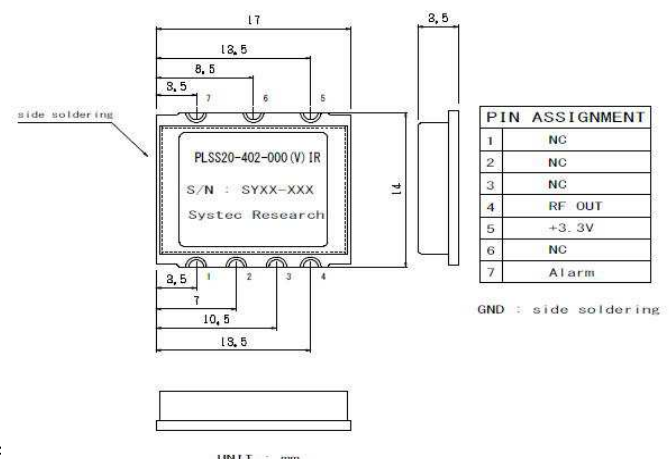
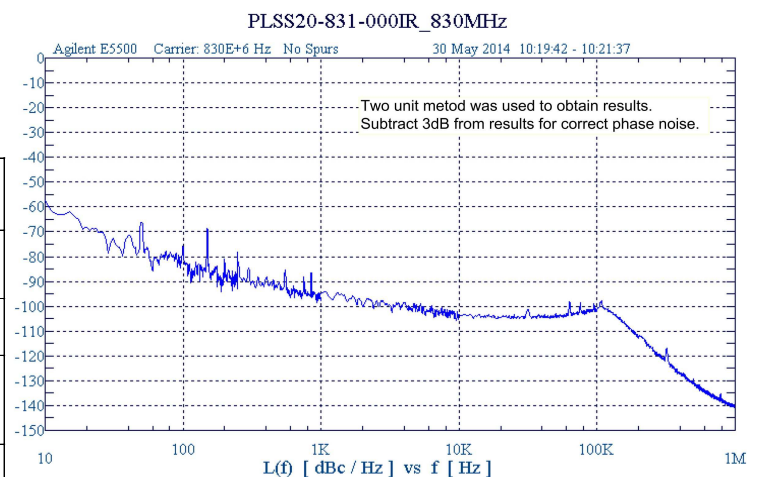
Features

- * Turner-Key Microwave Signal Sources
- * Wide Frequency Range : 50 ~ 4000MHz
- * Compact SMD : 14 x 17 x 3.5 mm
- * Internal Reference : 20MHz TCXO
- * Low Phase Noise, $f_c=4\text{GHz}$: -95dBc/Hz @ 10KHz
- * Single DC Bias : $+3.3\text{V}$, 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	-20dBc
Non-Harmonics	-65dBc
Frequency Stability -30 ~ +70°C	$\pm 1\text{ppm}$ ⁽²⁾
Un-Lock Alarm	Lock: $\geq 2.5\text{V}$ Un-Lock: $\leq 0.5\text{V}$
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.

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