

Ultra Wide Band Microwave Synthesizer

50MHz to 4000MHz

Surface Mount Model : S μ 20-402-102(V)-IR

Features

- * Wide Frequency Range : 50 ~ 4000MHz
- * Compact SMD : 14 x 17 x 3.5 mm
- * Internal Reference : 20MHz TCXO
- * Low Phase Noise, $f_c=4\text{GHz}$: -83dBc/Hz @ 10KHz
- * Single DC Bias : +3.3V, 150mA
- * Lead Free : RoHS Compliant

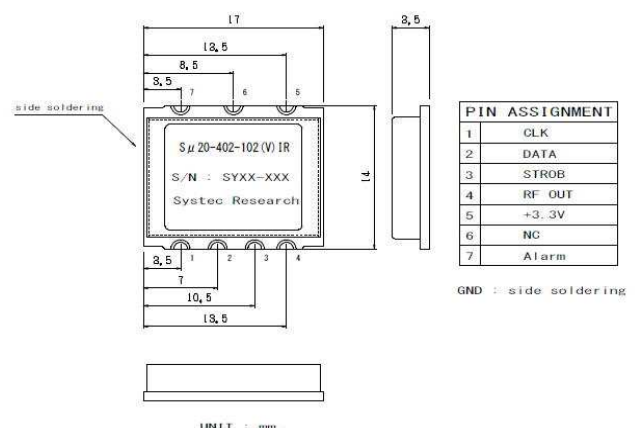
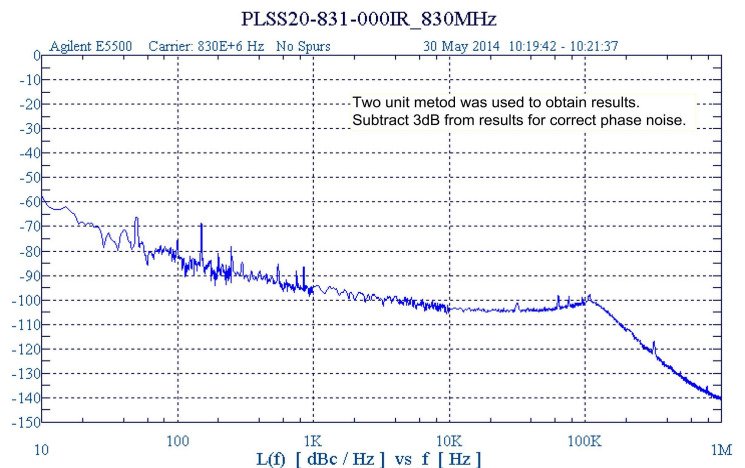


Typical Performance

Operating Frequency Range	50 ~ 4000MHz ⁽¹⁾
Step Size	10KHz ~ 1MHz ⁽¹⁾
Output Power	+3dBm
Phase Noise at 4GHz Step=1MHz	-83dBc/Hz @ 10KHz -110dBc/Hz @ 100KHz
Spurious, Harmonics Non-Harmonics	-15dBc -65dBc
Frequency Stability -30 ~ +70°C	±1ppm ⁽²⁾
Frequency Select	3-wires, Serial Data. ⁽³⁾ Clock & Strobe
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 Operating frequency range and the step size can be selected by customers.
- (2) The Operation by External reference, 10~100MHz is available.
- (3) For customer's programming, the Timing Chart and Data Format will be provided.



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