

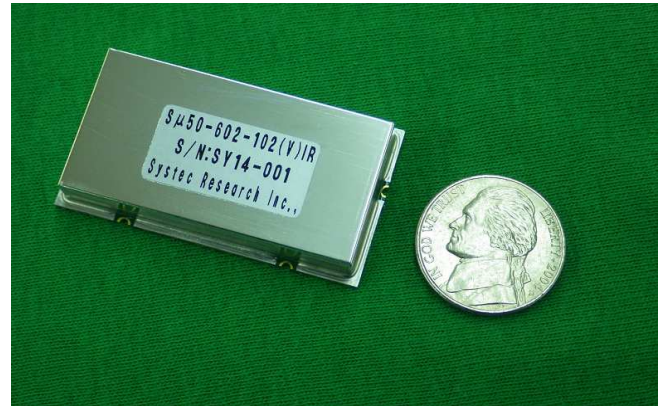
Ultra Wide Band Microwave Synthesizer

50MHz to 6000MHz

Surface Mount Model : S μ 50-602-102(V)-IR

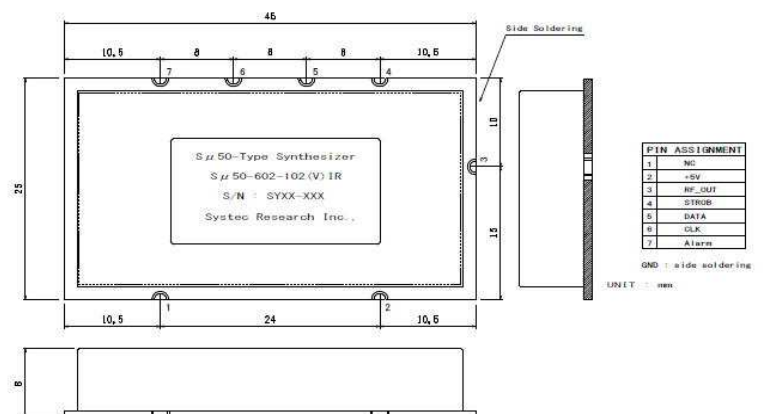
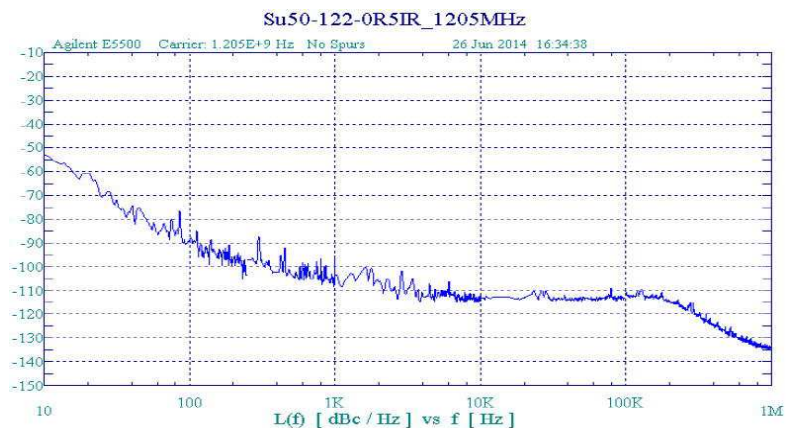
Features

- * 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, $f_c=6\text{GHz}$: -95dBc/Hz @ 10KHz
- * Single DC Bias : +5V, 400mA
- * Lead Free : RoHS Compliant



Typical Performance

Operating Frequency Range	50 ~ 6000MHz ⁽¹⁾
Step Size	10KHz ~ 1MHz ⁽¹⁾
Output Power	+3dBm
Phase Noise at 6GHz Step=1MHz	-95dBc/Hz @ 10KHz -110dBc/Hz @ 100KHz
Spurious, Harmonics Non-Harmonics	-15dBc -65dBc
Frequency Stability -30 ~ +70°C	±0.5ppm ⁽²⁾
Frequency Select	3-wires, Serial Data. ⁽³⁾ Clock & Strobe
Un-Lock Alarm	Lock: ≥ 2.5V Un-Lock: ≤ 0.5V
DC Bias	+5V, 400mA 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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