

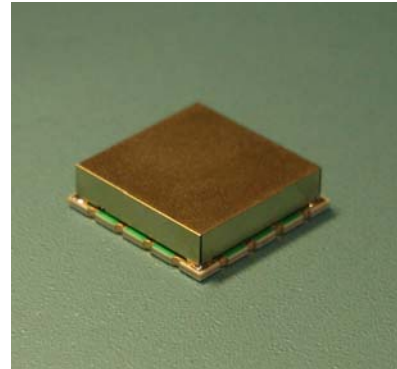
## SMT Frequency Synthesizer

Available 1-6 GHz (in bands)

Example 2.0 GHz

### *Features*

Low phase noise  
Programmable power-up frequency  
Low power consumption  
Small size SMT Package  
Low cost  
Custom designs available  
Tuning band width up to 20% of center frequency



### **TYPICAL PERFORMANCE SPECIFICATIONS**

Output frequency:	2.0 GHz
Tuning bandwidth:	10%.
Step size:	Programmable.
Output power:	+3 to +13 dBm
Output power variation:	+/- 1.5 dBm
Phase noise:	-100 dBc/Hz @ 10 KHz, -120 dBc/Hz @ 100kHz
Spurious output:	< -65 dBc
Harmonics:	< -15 dBc
Reference frequency:	5 – 100 MHz
Frequency accuracy:	Same as reference
Frequency control:	3-wire serial interface. Re-programmable power-up frequency
Size:	24 x 24 x 6 mm

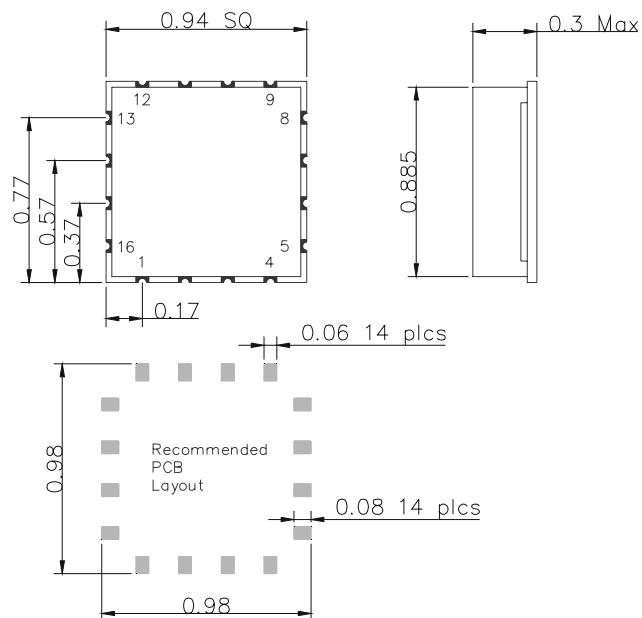
# SMT Frequency Synthesizer

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#### **Outline drawing:**

Dimensions in inch



#### Pinout table:

Pin 1, 5, 15, 16 :	NC (Not Connected)
Pin 2, 3, 4 :	NC or Ground
Pin 6 :	Reference Input
Pin 7 :	NC
Pin 8 :	Vcc1
Pin 9 :	Vcc2
Pin 13 :	RF Output
Pin 14 :	Lock Detect
Pin 10, 11, 12 :	Ground

Date Dec 18, 2006