

Electrical Specifications

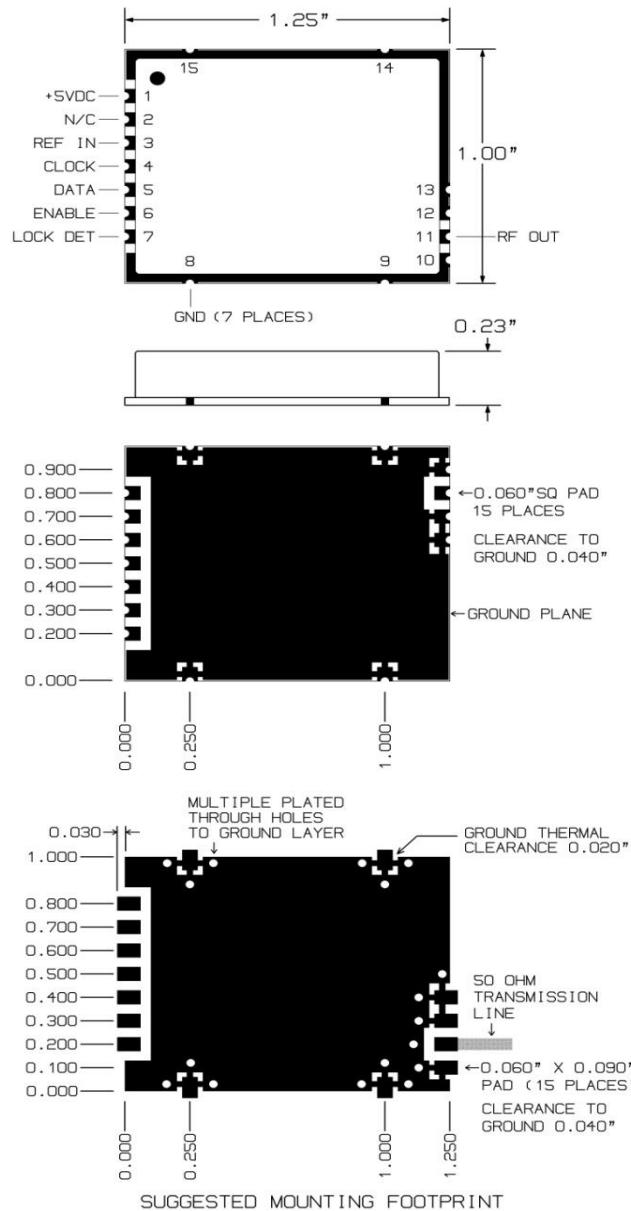
Frequency	1.75 - 3.05 GHz
Frequency Step Size	1 MHz
Frequency Stability and Accuracy	
External Ref.	Same as input
Internal Ref.	± 5.0 PPM (Over Temp Range)
Aging (after 2 months)	± 2.0 PPM max per year @ 25°C
Adjustability	10 years
Phase noise (dBc/Hz)	Typ.
L(100 Hz)	-70
L(1 kHz)	-74
L(10 kHz)	-80
L(100 kHz)	-100
L(1 MHz)	-130
L(10 MHz)	-150
Spurious (max)	-60 dBc
Harmonics (typ.)	-17 dBc
DC Power	
+5.5 VDC ± 0.5 VDC	200 mA
Power Out (min. @ 25°C)	+13 dBm
Power Variation (typ.)	±3 dB
Load VSWR (max.)	2:1
Frequency Control	SPI (3V)
Acquisition Time (typ.)	0.5 ms
Phase-Lock Indicator (LD)	CMOS 3V

Reference Specifications

Input Reference Frequency	10 MHz
Input Level	0 dBm ± 3 dBm

Environment Specifications

Operating Temp. Range (surface)	-0°C to 60°C (note 4)
Storage Temp. Range	-40°C to 85°C
Relative Humidity (non-condensing)	90%RH @ 40°C
Shock	30G / 10 ms
Vibration	4G / 20 Hz - 20 kHz



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Product Data Sheet

Surface Mount Synthesizer

SMS-1750-3050-1M

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