



### Features and Benefits

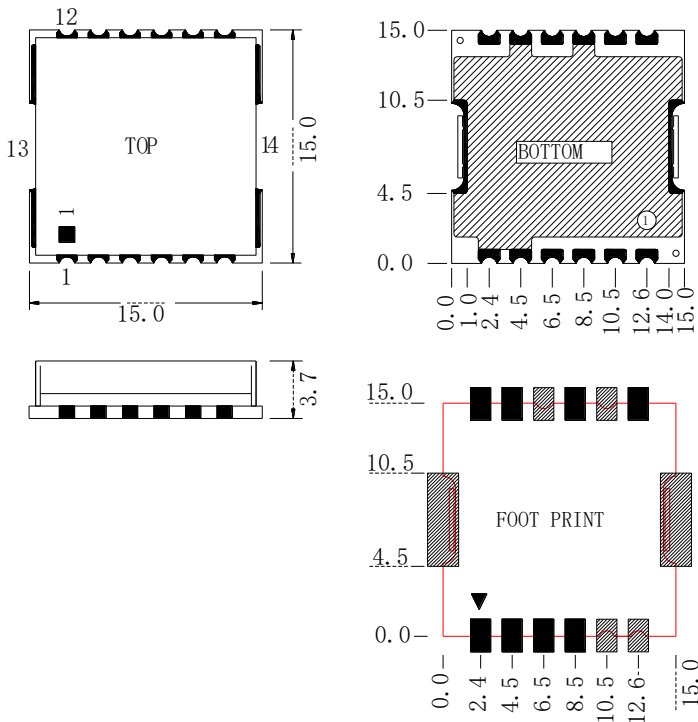
Frequency Range:207.55-210.05MHz  
Supply Voltage:5.0V  
Current: 25mA Max.  
3 wire serial integer PLL  
Output power: +7.0dBm Max.  
Phase noise: -112dBc/Hz@10KHz  
Operating temperature: -40°C --+85°C  
Size:15x15x3.7mm

### Typical Applications

Broadcast  
VHF radio  
Wireless Telemetry  
Test Instrument-Signal Generation

### Mechanical Drawing & Pin Connections

Drawing No: MD240065-1



Pin Connections:

Pin	Function
1	CLK
2	DATA
3	LE
4	Ref. IN
5&6	GND
7	VCC(VCO)
8	GND
9	RF Out
10	GND
11	Lock Detect
12	Vcp(PLL)
13&14	GND

Unit in mm  
1mm = 0.0394 inches



### Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	207.55		210.05
Output Power	dBm	+3.0	+5.0	+7.0
Step Size	KHz		125	
Settling Time	msec		10	30
Output Impedance	$\Omega$		50	
Phase Noise @1kHz offset	dBc / Hz		-86	-81
Phase Noise @10kHz offset	dBc / Hz		-112	-107
Phase Noise @100kHz offset	dBc / Hz		-133	-128
Phase Noise @1MHz offset	dBc / Hz		-151	-146
2nd Harmonic Suppression	dBc		-20	-15
Sideband Spurious Suppression	dBc			-80
Reference (input frequency)	MHz	5		100
Reference (input level)	dBm	-5		+5
VCO Power Supply (Vcc) Voltage	Vdc		5	
VCO Power Supply (Vcc) Current	mA		13	25
PLL Power Supply (Vcp) Voltage	Vdc		5	
PLL Power Supply (Vcp) Current	mA		5	10
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85