



Features and Benefits

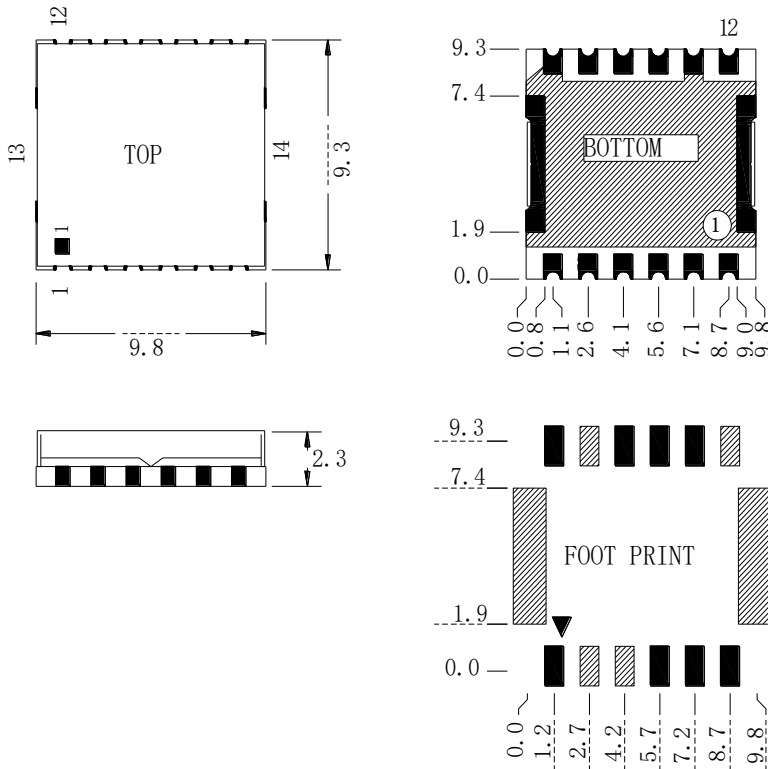
Frequency Range:2185-2215MHz
 Supply Voltage:5.0V
 Current: 30mA Max.
 3 wire serial integer PLL
 Output power: +5.0dBm Max.
 Phase noise: -97dBc/Hz@10KHz
 Operating temperature: -40°C--+85°C
 Size:9.8x9.3x2.3mm

Typical Applications

Base station
 Cable TV
 Satellite Communications
 UHF radio link

Mechanical Drawing & Pin Connections

Drawing No: MD240060-1



Pin Connections:

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

Unit in mm
 1mm = 0.0394 inches



Specifications

Parameter	Units	Min.	Typical	Max.
Operating Frequency Range	MHz	2185		2215
Output Power	dBm	+1.0	+3.0	+5.0
Step Size	KHz		25	
Settling Time	msec		10	30
Output Impedance	Ω		50	
Phase Noise @1kHz offset	dBc / Hz		-70	-65
Phase Noise @10kHz offset	dBc / Hz		-97	-92
Phase Noise @100kHz offset	dBc / Hz		-118	-113
Phase Noise @1MHz offset	dBc / Hz		-137	-132
2nd Harmonic Suppression	dBc		-42	-20
Sideband Spurious Suppression	dBc			-70
Reference (input frequency)	MHz	5		40
Reference (input level)	dBm	-5		+5
VCO Power Supply (Vcc) Voltage	Vdc		5	
VCO Power Supply (Vcc) Current	mA		21	30
PLL Power Supply (Vcp) Voltage	Vdc		5	
PLL Power Supply (Vcp) Current	mA		5	10
Operating Temperature Range	$^{\circ}\text{C}$	-40		+85