



Features and Benefits

Frequency Range: 925-955MHz

Supply Voltage: 5.0V

Current: 35mA Max.

3 wire serial integer PLL

Output power: +8.0dBm Max.

Phase noise: -107dBc/Hz@10KHz

Operating temperature: -40°C--+85°C

Size: 15x15x3.7mm

Package type: SMD

Typical Applications

SATCOM radio link

Point-to-Point radio

Receiver

MMDS

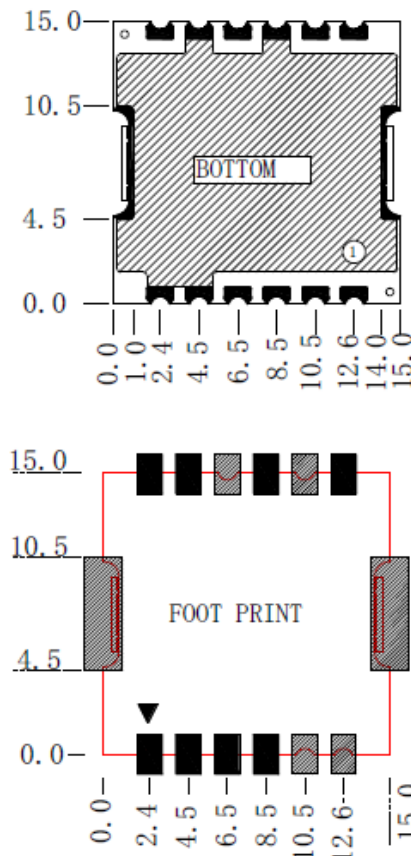
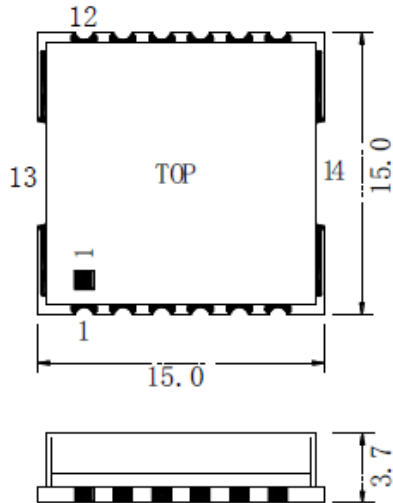
Test Equipment

WiMAX

Radar

Mechanical Drawing & Pin Connections

Drawing No: MD240065-2



Pin Connections:

Pin	Function
1	CLK
2	DATA
3	LE
4-6	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	925		955
Output Power	dBm	+4.0	+6.0	+8.0
Step Size	KHz		50	
Settling Time	msec		10	30
Output Impedance	Ω		50	
Phase Noise @1kHz offset	dBc / Hz		-75	-70
Phase Noise @10kHz offset	dBc / Hz		-107	-102
Phase Noise @100kHz offset	dBc / Hz		-129	-124
Phase Noise @1MHz offset	dBc / Hz		-148	-143
2nd Harmonic Suppression	dBc		-31	-20
Sideband Spurious Suppression	dBc			-75
Reference (frequency)	MHz		13	
Reference (Freq. Stability)	ppm			2.5
VCO Power Supply (Vcc) Voltage	Vdc		5	
VCO Power Supply (Vcc) Current	mA		25	35
PLL Power Supply (Vcp) Voltage	Vdc		5	
PLL Power Supply (Vcp) Current	mA		5	10
Operating Temperature Range	°C	-40		+85