



Features and Benefits

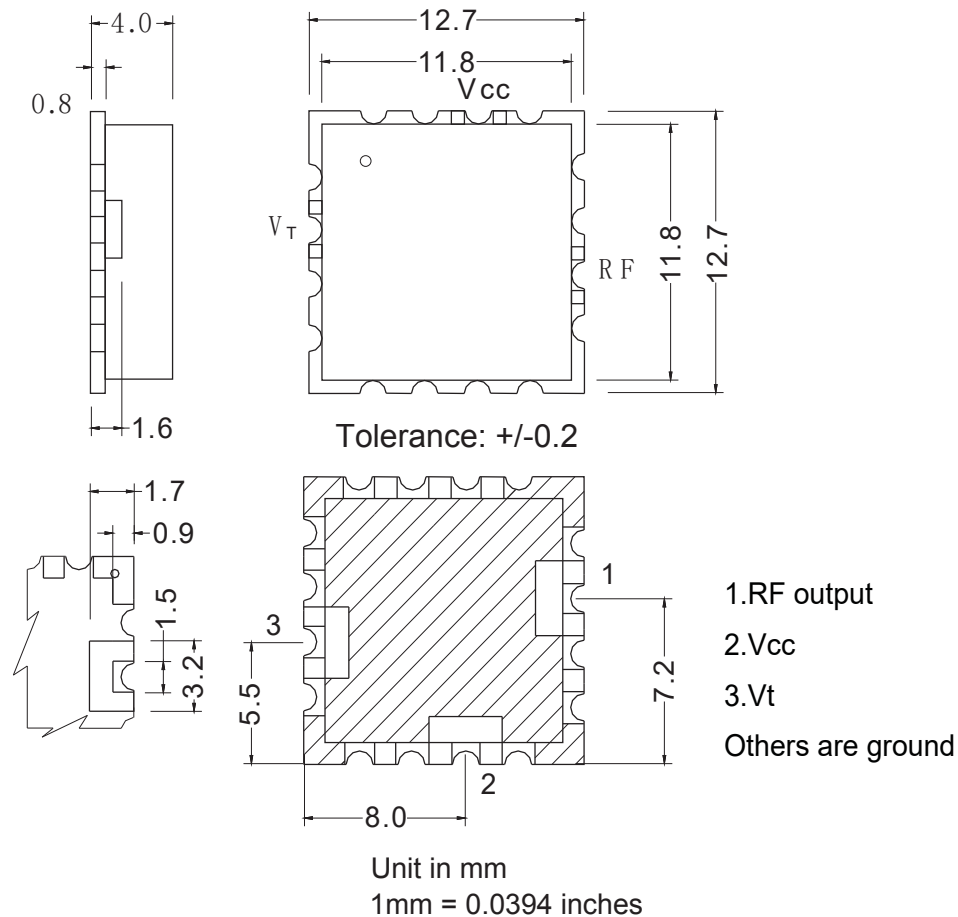
Frequency range: 1030MHz – 1090MHz
Supply voltage: 5V
Current: 25mA Typ.
Output power: +6dBm Max.
Tuning voltage: 1V to 4V
Phase noise: -136dBc/Hz@100KHz
Operating temperature: -40°C to +85°C
Size: 12.7x12.7x4.0mm

Typical Applications

SATCOM
Receiver
Radio
MMDS
Radar
Test Equipment
WiMax

Mechanical Drawing & Pin Connections

Drawing No: MD230041-1





Specifications

Parameter		Units	Min.	Typical	Max.
Operating Frequency Range		MHz	1030		1090
Power Supply (Vcc)	Voltage	V	4.75	5	5.25
	Current	mA		25	
Output Power		dBm	0	3	6
Output Impedance		Ω		50	
Phase Noise @1kHz offset		dBc/Hz		-80	
Phase Noise @10kHz offset		dBc/Hz		-115	
Phase Noise @100kHz offset		dBc/Hz		-136	
Phase Noise @1MHz offset		dBc/Hz		-155	
Tuning Voltage (Vt)		V	1		4
Tuning Voltage Sensitivity (Kv)		MHz / V		20	
2nd Harmonic Suppression		dBc		-30	
Pushing Figure		MHz / V		1	2
Pulling Figure		MHz		2	5
Input Capacitance		pF		51	
Operating Temperature Range		$^{\circ}\text{C}$	-40	+25	+85