

Voltage Controlled Oscillator

RSO2175AM

Ultra Low Noise 2175 to 2175MHz

Rev. A

Features

- Ultra low noise
- Linear tuning characteristics
- Low pushing / Low pulling

Applications

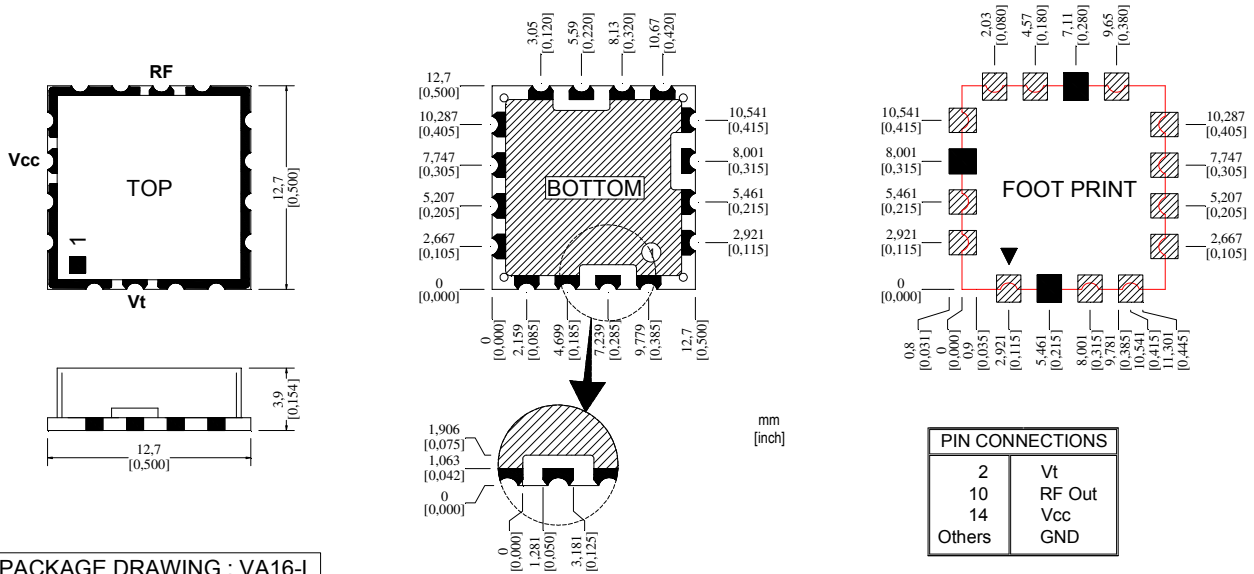
- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2175		2175
Output Power	dBm		7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-120	
	@100kHz offset		-140	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		7	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage		6	
	Current		26	
Pushing Figure	MHz/V		1	
Pulling Figure	MHz		2	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L