

Voltage Controlled Oscillator

RSO2813AM

Ultra Low Noise 2675 to 2950 MHz

Rev. A

Features

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

Applications

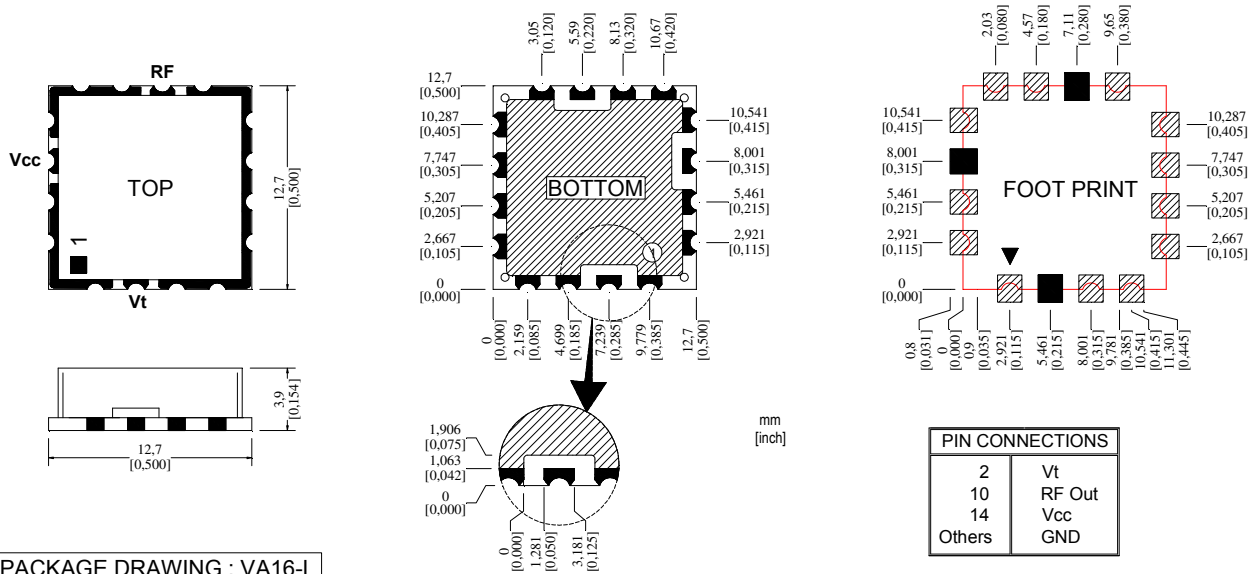
- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	2675		2950
Output Power	dBm		2.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset	dBc/Hz	-108	
	@100kHz offset	dBc/Hz	-128	
Tuning Voltage (Vt)	Vdc	+1		+15
Tuning Voltage Sensitivity (Kv)	MHz/V		21	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	27	
Pushing Figure	MHz/V		0.6	
Pulling Figure	MHz		0.5	
Input Capacitance	pF		10	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L