Surface Mount

Voltage Controlled Oscillator

RSO2663AM

Ultra Low Noise 2525 to 2800MHz

Rev. A

Features

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

Applications

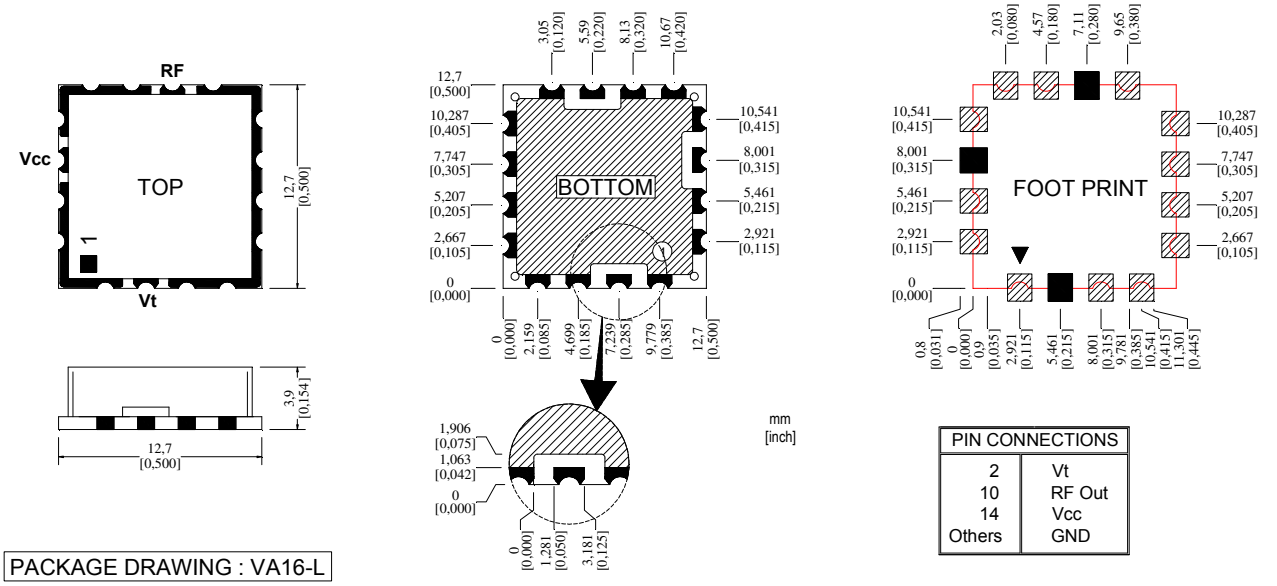
- SATCOM
- Receiver
- Test Equipment
- Radar
- Point –to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics

RoHS COMPLIANT

Parameter		Units	Min	Typ	Max
Operating Frequency Range		MHz	2525		2800
Output Power		dBm		5.0	
Output Impedance		Ω		50	
Phase Noise	@10kHz offset	dBc/Hz		-107	
	@100kHz offset	dBc/Hz		-127	
Tuning Voltage (Vt)		Vdc	+1		+12
Tuning Voltage Sensitivity (Kv)		MHz/V		35	
2nd Harmonic Suppression		dBc		-20	
Power Supply (Vcc)	Voltage	Vdc		6	
	Current	mA		27	
Pushing Figure		MHz/V		1	
Pulling Figure		MHz		2	
Input Capacitance		pF		47	
Operating Temp. Range		°C	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L

PIN CONNECTIONS	
2	Vt
10	RF Out
14	Vcc
Others	GND

Your solutions partners!
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