

Voltage Controlled Oscillator

RS790AM

Optimized Band 780 to 800 MHz

Rev. A

Features

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Applications

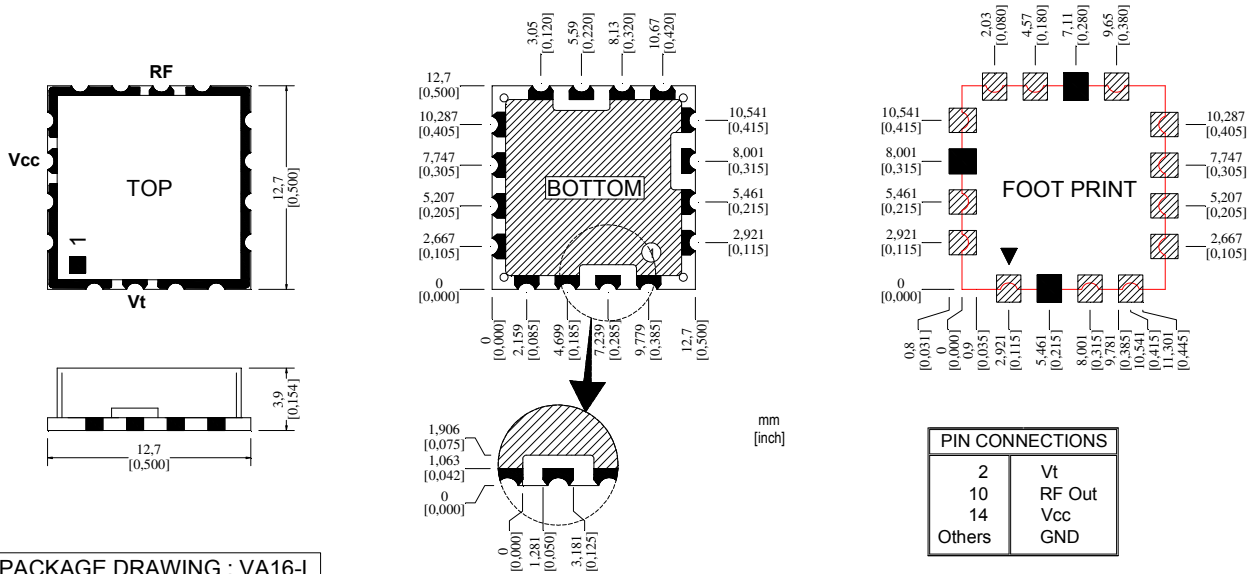
- Base station
- Cable TV
- Satellite Communications
- UHF radio link

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	780		800
Output Power	dBm		6.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-103	
	@100kHz offset		-123	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		20	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	13	
Pushing Figure	MHz/V		0.3	
Pulling Figure	MHz		0.6	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L