

Voltage Controlled Oscillator

RSO2170AM

Ultra Low Noise 2070 to 2270 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	2070		2270
Output Power	dBm		5.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-106	
	@100kHz offset		-126	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		60	
2nd Harmonic Suppression	dBc		-20	
Power Supply (Vcc)	Voltage		5	
	Current		24	
Pushing Figure	MHz/V		1.5	
Pulling Figure	MHz		0.6	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L