

Voltage Controlled Oscillator

RSO1600AM

Ultra Low Noise 1570 to 1630 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	1570		1630
Output Power	dBm		+7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset	dBc/Hz	-115	
	@100kHz offset	dBc/Hz	-135	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensivity (Kv)	MHz/V		20	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	25	
Pushing Figure	MHz/V		0.2	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

