

# Voltage Controlled Oscillator

# RSO1800AM

Ultra Low Noise 1800 to 1800 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	1800		1800
Output Power	dBm		6.0	
Output Impedance	$\Omega$		50	
Phase Noise	@10kHz offset	dBc/Hz	-124	
	@100kHz offset	dBc/Hz	-144	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		7	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	6	
	Current	mA	27	
Pushing Figure	MHz/V		0.1	
Pulling Figure	MHz		0.3	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

## Dimensions

