

Voltage Controlled Oscillator

RSO1475AM

Ultra Low Noise 1450 to 1500 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	1450		1500
Output Power	dBm		+7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-115	
	@100kHz offset		-135	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		19	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage		5	
	Current		27	
Pushing Figure	MHz/V		0.2	
Pulling Figure	MHz		2	
Input Capacitance	pF		65	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

