

Voltage Controlled Oscillator

RS1600AM

Optimized Band 1480 to 1720 MHz

Rev. A

Features

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

Applications

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1480		1720
Output Power	dBm		0.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-107	
	@100kHz offset		-127	
Tuning Voltage (Vt)	Vdc	+1.5		+13
Tuning Voltage Sensitivity (Kv)	MHz/V		24	
2nd Harmonic Suppression	dBc		-20	
Power Supply (Vcc)	Voltage	Vdc	8	
	Current	mA	28	
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

