

Voltage Controlled Oscillator

RS01723AH

Ultra Low Noise 1590 to 1855 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	1590		1855
Output Power	dBm		+7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-108	
	@100kHz offset		-127	
Tuning Voltage (Vt)	Vdc	+1		+12
Tuning Voltage Sensitivity (Kv)	MHz/V		28	
2nd Harmonic Suppression	dBc		-17	
Power Supply (Vcc)	Voltage	Vdc	8	
	Current	mA	27	
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

