

Voltage Controlled Oscillator

RSO1780AH

Ultra Low Noise 1780 to 1780 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	1780		1780
Output Power	dBm		7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-123	
	@100kHz offset		-143	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		6	
2nd Harmonic Suppression	dBc		-16	
Power Supply (Vcc)	Voltage	Vdc	8	
	Current	mA	28	
Pushing Figure	MHz/V		0.3	
Pulling Figure	MHz		0.5	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

