

Voltage Controlled Oscillator

RSO1983AM

Ultra Low Noise 1945 to 2020 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	1945		2020
Output Power	dBm		7.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-111	
@100kHz offset	dBc/Hz		-131	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		30	
2nd Harmonic Suppression	dBc		-25	
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		20	
Pushing Figure	MHz/V		0.3	
Pulling Figure	MHz		2	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

