

Voltage Controlled Oscillator

RSO2838AM

Ultra Low Noise 2725 to 2950 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	2725		2950
Output Power	dBm		7.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-108	
@100kHz offset	dBc/Hz		-128	
Tuning Voltage (Vt)	Vdc	+1		+10
Tuning Voltage Sensitivity (Kv)	MHz/V		30	
2nd Harmonic Suppression	dBc		-14	
Power Supply (Vcc) Voltage	Vdc		6	
Current	mA		27	
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		5	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

