

Voltage Controlled Oscillator

RS2142AM

Optimized Band 2108 to 2176 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	2108		2176
Output Power	dBm		3.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-107	
@100kHz offset			-127	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		33	
2nd Harmonic Suppression	dBc		-20	
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		27	
Pushing Figure	MHz/V		1	
Pulling Figure	MHz		1	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

