

Voltage Controlled Oscillator

RS808AM

Optimized Band 800 to 815 MHz

Rev. A

Features

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Applications

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	800		815
Output Power	dBm		4.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-112	
@100kHz offset			-132	
Tuning Voltage (Vt)	Vdc	+1		+4
Tuning Voltage Sensitivity (Kv)	MHz/V		16	
2nd Harmonic Suppression	dBc		-10	
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		13	
Pushing Figure	MHz/V		0.3	
Pulling Figure	MHz		1.5	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

