

Voltage Controlled Oscillator

RS0912AH

Ultra Low Noise 902 to 922 MHz

Rev. A

Features

- Ultra low noise
- Linear tuning characteristics
- Low pushing / Low pulling

Applications

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

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	902		922
Output Power	dBm		+5.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-125	
@100kHz offset	dBc/Hz		-145	
Tuning Voltage (Vt)	Vdc	+0.5		+10
Tuning Voltage Sensitivity (Kv)	MHz/V		4	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc) Voltage	Vdc		8	
Current	mA		26	
Pushing Figure	MHz/V		0.1	
Pulling Figure	MHz		0.1	
Input Capacitance	pF		47	
Operating Temp. Range	°C	-40		+85

Dimensions

