# **VOLTAGE CONTROLLED OSCILLATOR**

Rev A1

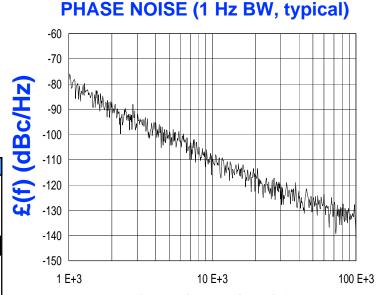


### **FEATURES**

- Frequency Range: 2040 2100 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 Style Package

## **APPLICATIONS**

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication Systems



# **OFFSET (Hz)**

Catomic Communication Systems		
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	2040 - 2100	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-110	dBc/Hz
Harmonic Suppression (2nd, typ.)	-25	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	24	MHz/V
Power Output	0±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<0.5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<0.5	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	20	mA

All specifications are typical unless otherwise noted and subject to change without notice.

### **APPLICATION NOTES**

- AN-100/1: Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

### **NOTES:**

