VOLTAGE CONTROLLED OSCILLATOR

PHASE NOISE (1 Hz BW, typical)

Rev A1

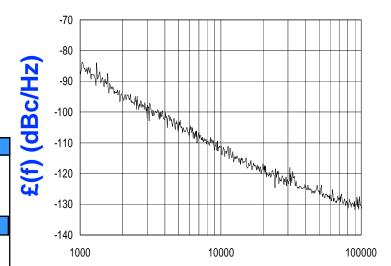


FEATURES

- Frequency Range: 2250 2300 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	2250 - 2300	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-114	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	15	MHz/V
Power Output	1.5±1.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-10 to 75	°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:

