# **VOLTAGE CONTROLLED OSCILLATOR**

Rev A1



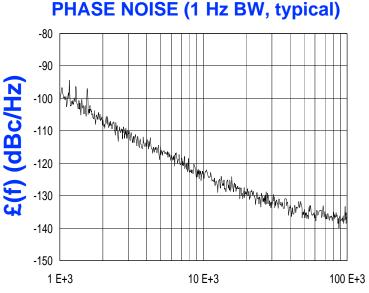


### **FEATURES**

- Frequency Range: 88 98.2 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 Style Package

## **APPLICATIONS**

- RF Modems
- Earthstations
- Test Instrumentation



# **OFFSET (Hz)**

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	88 - 98.2	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-123	dBc/Hz
Harmonic Suppression (2nd, typ.)	-18	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	6	MHz/V
Power Output	5±5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	500	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	ů
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	17	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:

PCB plating is Nickel/Gold. This supercedes the statement below in Note 1 under Physical Dimentions, "... boards are solder plated...".

