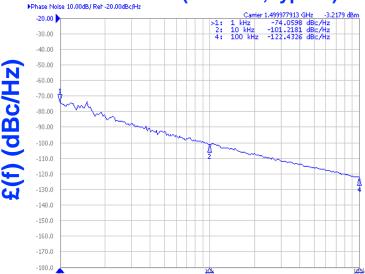
## **VOLTAGE CONTROLLED OSCILLATOR**

Rev A1

# PHASE NOISE (1 Hz BW, typical)



#### **FEATURES**

- Frequency Range: 950 2050 MHz
- Tuning Voltage: 0-15 Vdc
- MINI-16-L Style Package

### **APPLICATIONS**

- CATV Headend
- Test Equipment
- Downconvertors

# **OFFSET (Hz)**

* DOWNCONTON		
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	950 - 2050	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-98	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0-15	Vdc
Tuning Sensitivity (avg.)	81	MHz/V
Power Output	4±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	500	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<3	MHz
Operating Temperature Range	-40 to 80	°C
Package Style	MINI-16-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	19	mA
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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:**

