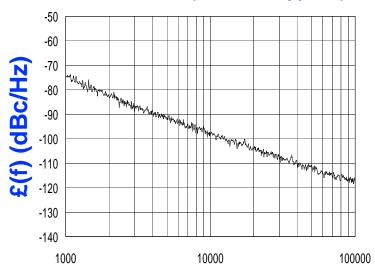
VOLTAGE CONTROLLED OSCILLATOR

PHASE NOISE (1 Hz BW, typical)



FEATURES

9939 Via Pasar • San Diego, CA 92126

TEL (858) 621-2700 FAX (858) 621-2722

- Frequency Range: 1600 2700 MHz
- Tuning Voltage: 0-20 Vdc
- MINI-16-L Style Package

APPLICATIONS

- CATV Headend
- Test Equipment
- Downconvertors

OFFSET (Hz)

• Downconvertors		
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1600 - 2700	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-99	dBc/Hz
Harmonic Suppression (2nd, typ.)	-25	dBc
Tuning Voltage	0-20	Vdc
Tuning Sensitivity (avg.)	75	MHz/V
Power Output	5±5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	500	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<7	MHz
Operating Temperature Range	-30 to 70	°C
Package Style	MINI-16-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	23	mA
All and effections are typical upless otherwise noted and subject to change without notice		

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:

