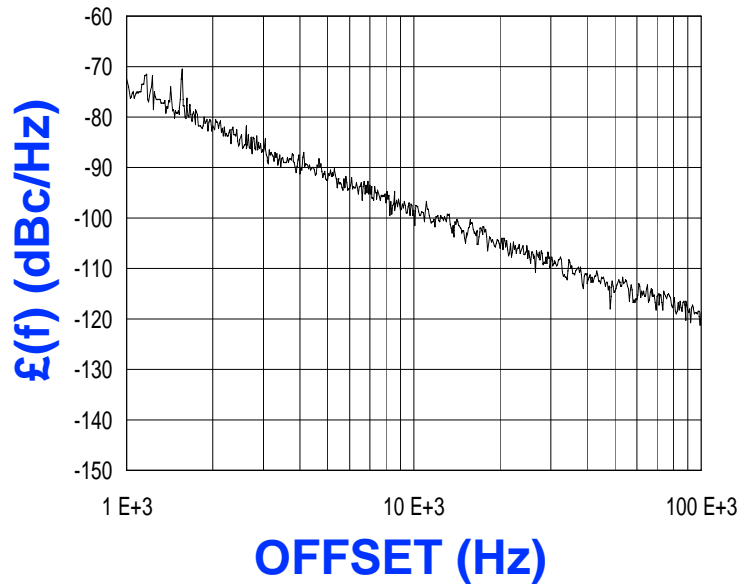


**PHASE NOISE (1 Hz BW, typical)**



FEATURES
<ul style="list-style-type: none"> <li>• Frequency Range: 1200 - 2200 MHz</li> <li>• Tuning Voltage: 1- 20 Vdc</li> <li>• MINI-14S-UL - Style Package</li> </ul>
APPLICATIONS
<ul style="list-style-type: none"> <li>• Satellite Communications</li> <li>• Test Instrumentation</li> <li>• CATV Headend Equipment</li> </ul>

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1200 - 2200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-99	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	1- 20	Vdc
Tuning Sensitivity (avg.)	73	MHz/V
Power Output	8±3	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<3	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<18	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S-UL	

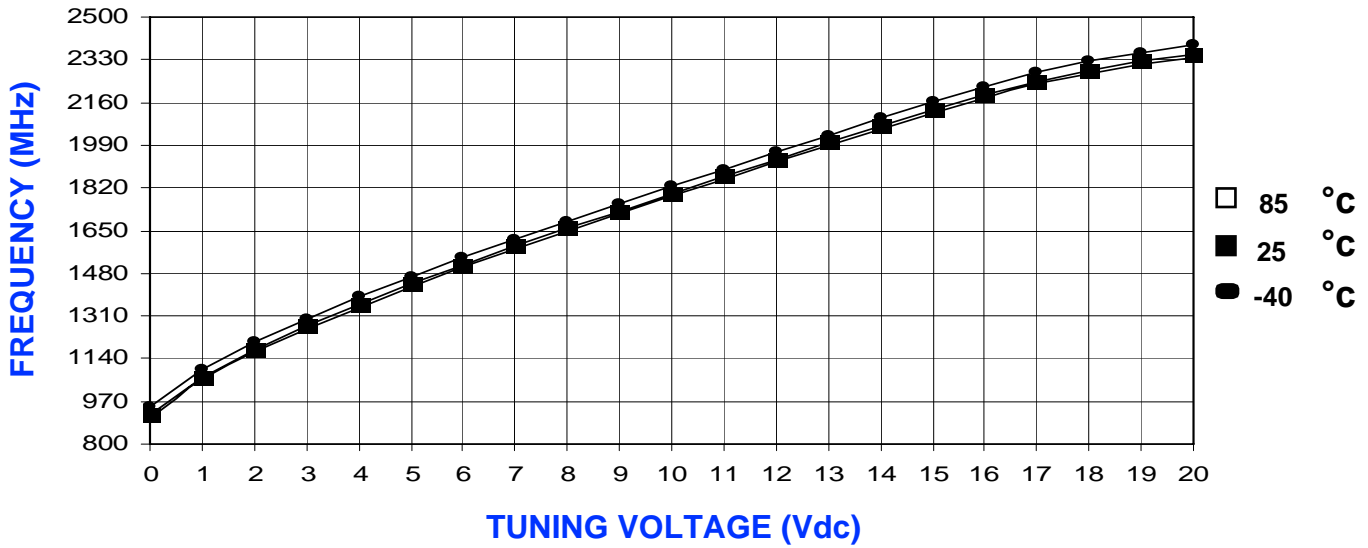
POWER SUPPLY REQUIREMENTS	VALUE	UNITS
Supply Voltage (Vcc, nom.)	8	Vdc
Supply Current (Icc, typ.)	15	mA

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

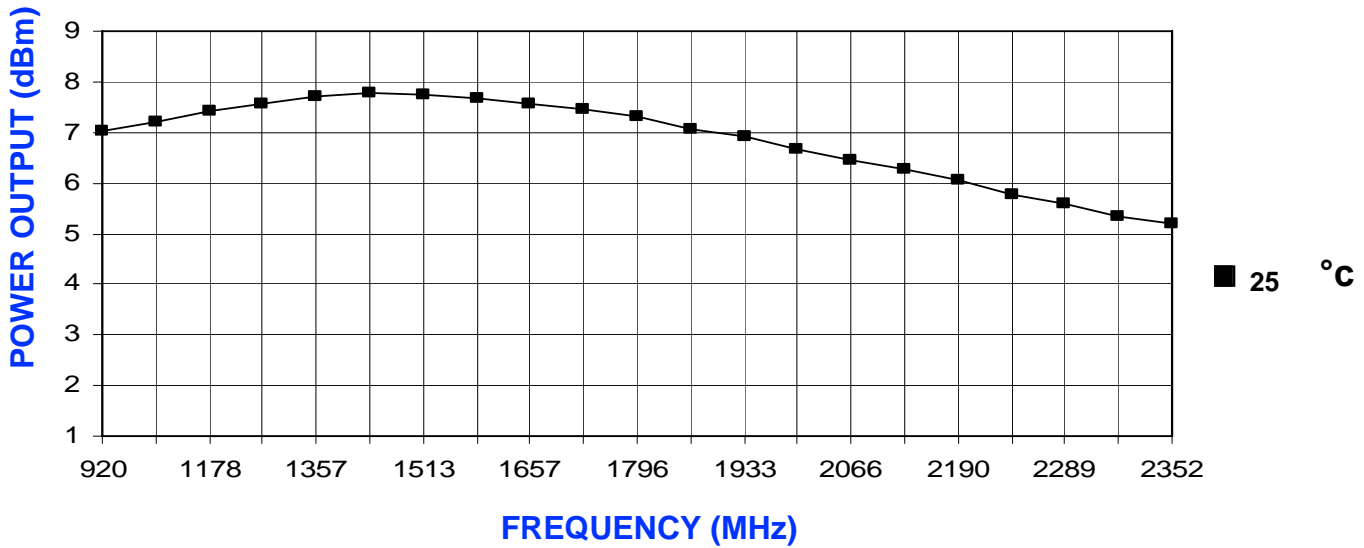
APPLICATION NOTES
<ul style="list-style-type: none"> <li>• AN-100/1 : Mounting and Grounding of VCOs</li> <li>• AN-102 : Proper Output Loading of VCOs</li> <li>• AN-107 : How to Solder Z-COMM VCOs</li> </ul>

**NOTES:**

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

