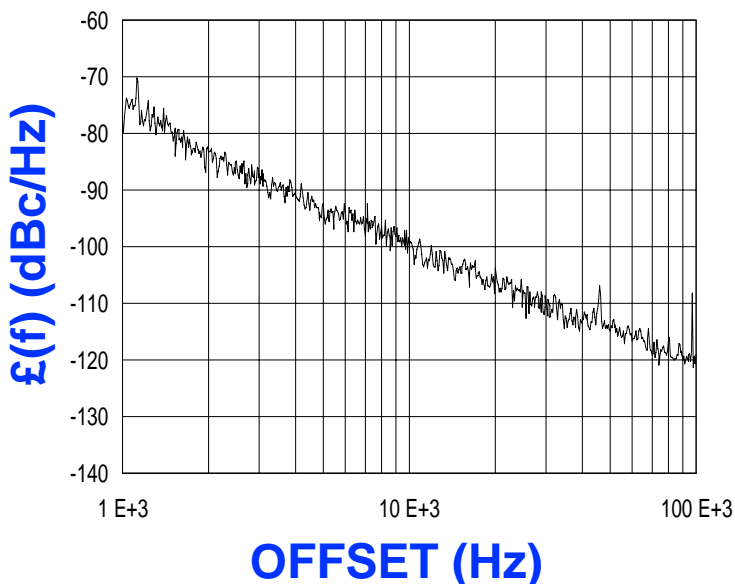




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 950 - 2050 MHz
- Tuning Voltage: 1 - 14 Vdc
- MINI-16 - Style Package

**APPLICATIONS**

- Satellite Communications
- Test Instrumentation
- Earthstations

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	950 - 2050	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-99	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	1 - 14	Vdc
Tuning Sensitivity (avg.)	93	MHz/V
Power Output	7.5±2.5	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<4	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<5	MHz
Operating Temperature Range	0 to 75	$^{\circ}$ C
Package Style	MINI-16	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	11	Vdc
Supply Current (Icc, typ.)	25	mA

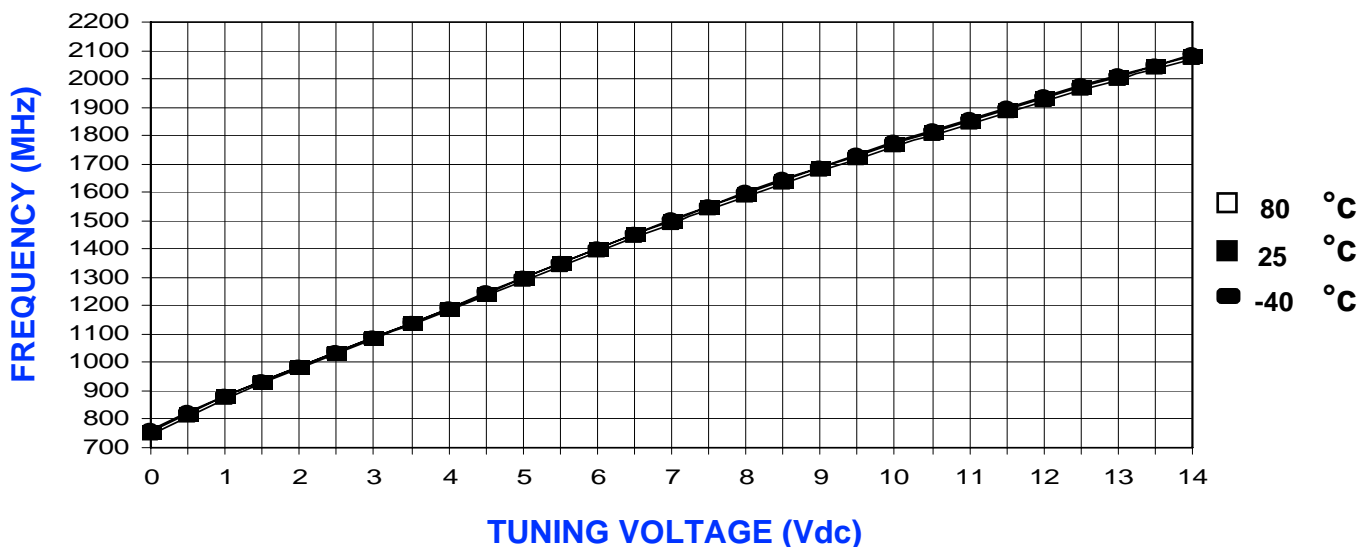
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

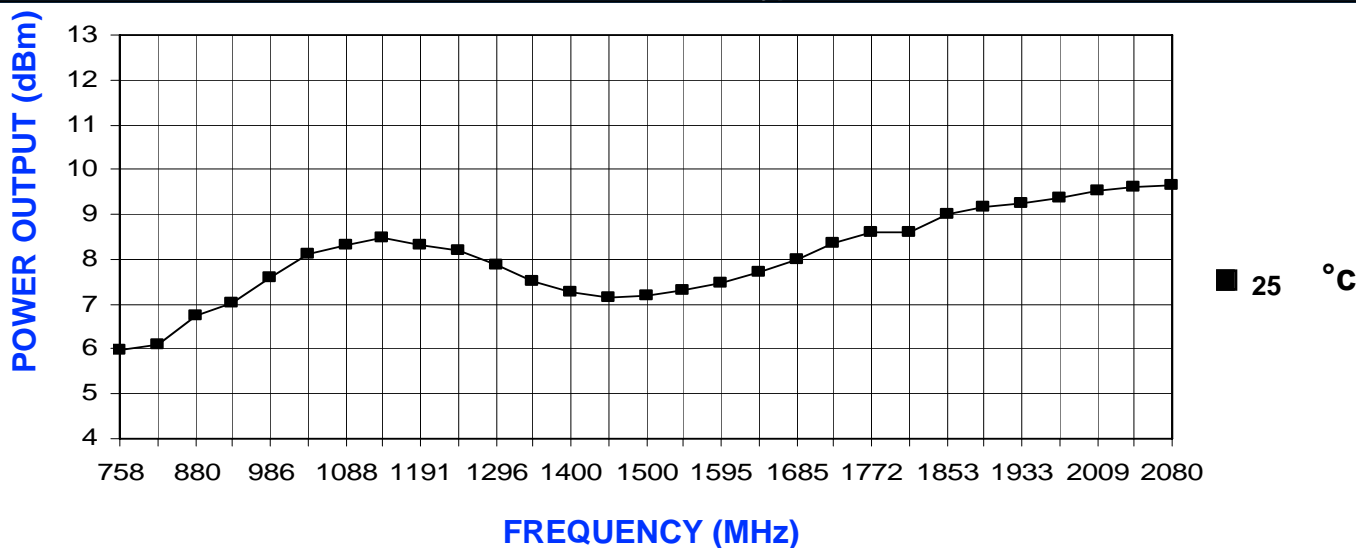
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

