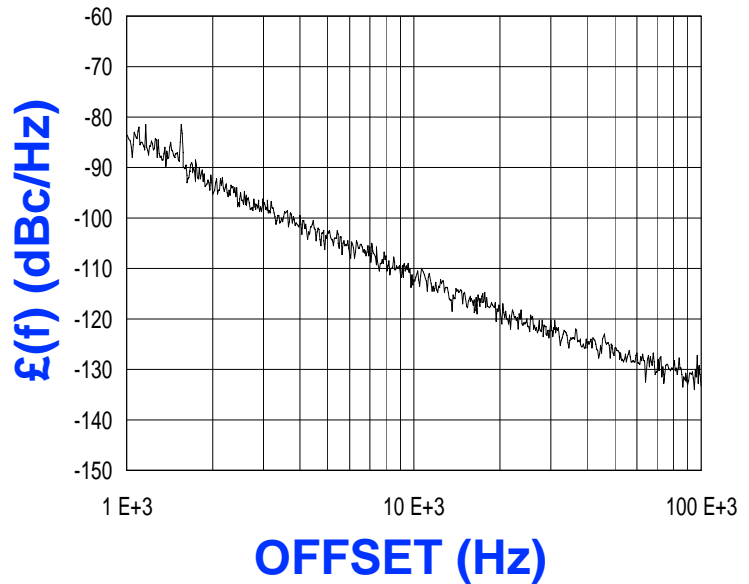




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 3125 - 3175 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 - Style Package

**APPLICATIONS**

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication Systems

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	3125 - 3175	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-111	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	28	MHz/V
Power Output	4.5±2.5	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	50	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	$^{\circ}\text{C}$
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.

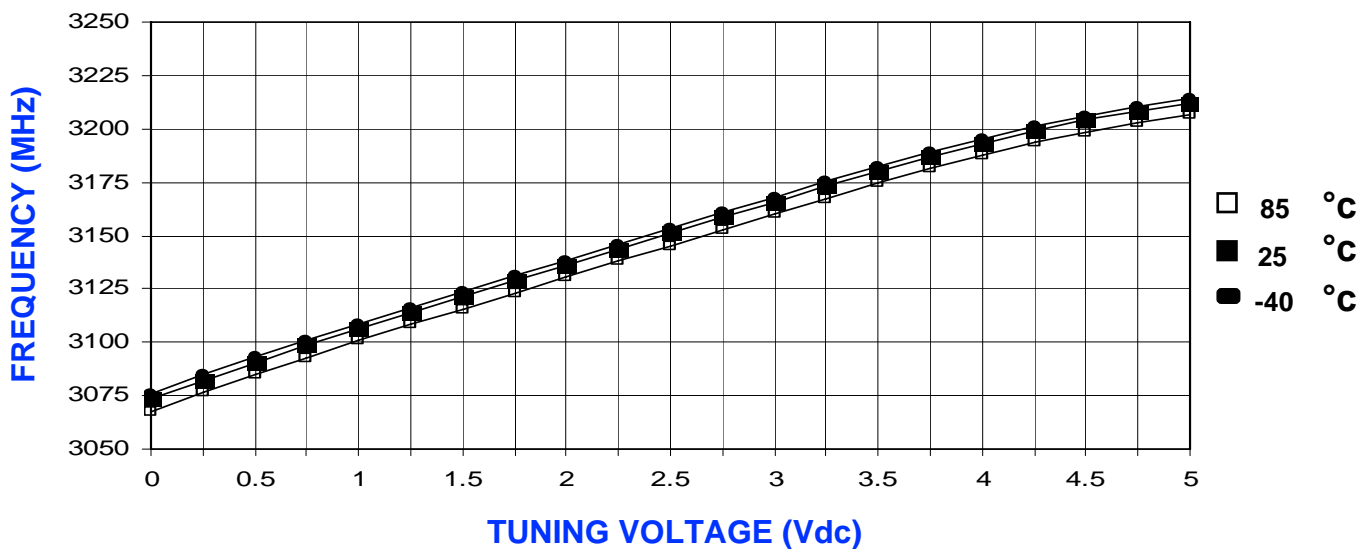
**APPLICATION NOTES**

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

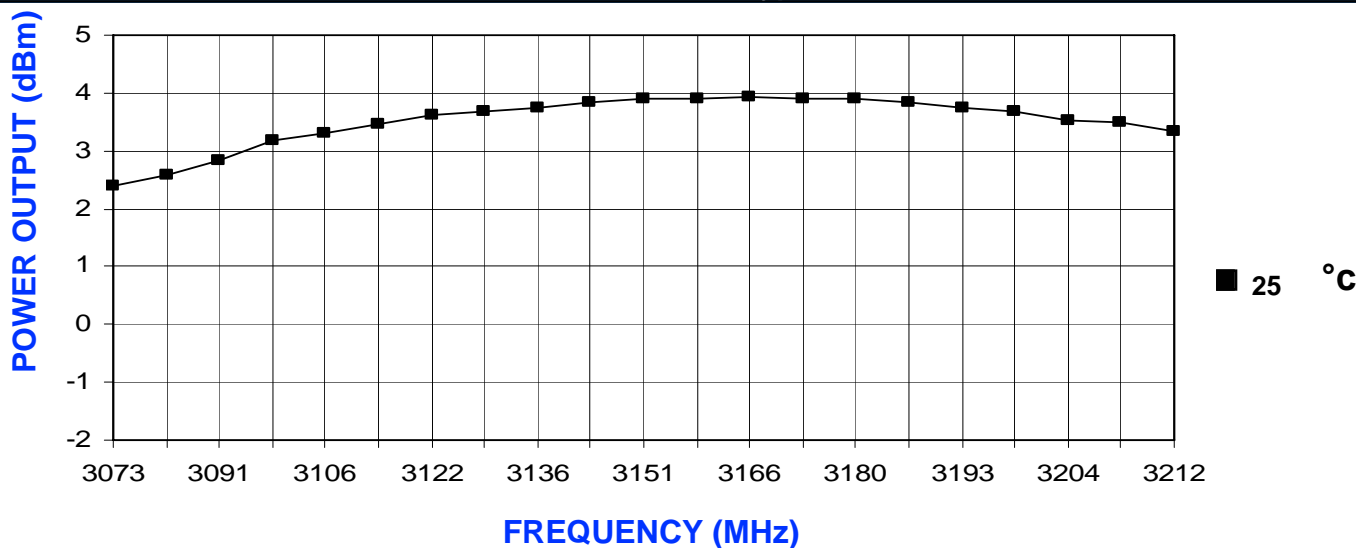
**NOTES:**

Absolute Maximum Ratings: Vcc: 12 V; Vtune: 10 V; Solder Temperature: 260 C.  
 Storage Temperature: -50 to 150 C.

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

