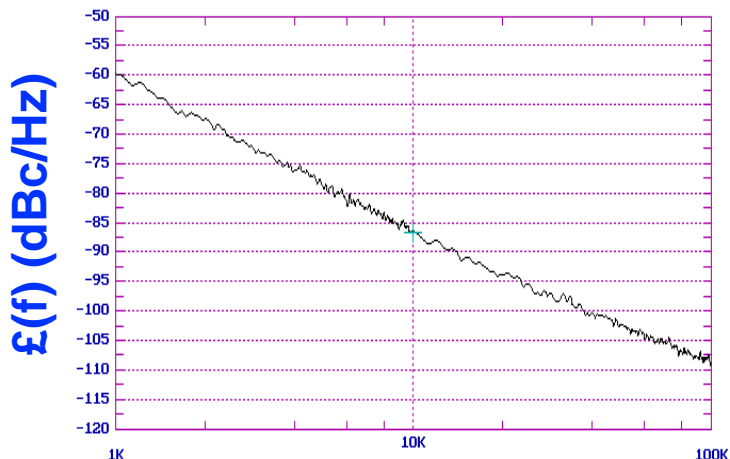


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 4280 - 4420 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Microwave Radios
- Satellite Communications
- Direct Broadcast

**OFFSET (Hz)**

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	4280 - 4420	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-87	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	100	MHz/V
Power Output	0±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<35	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	9	mA

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

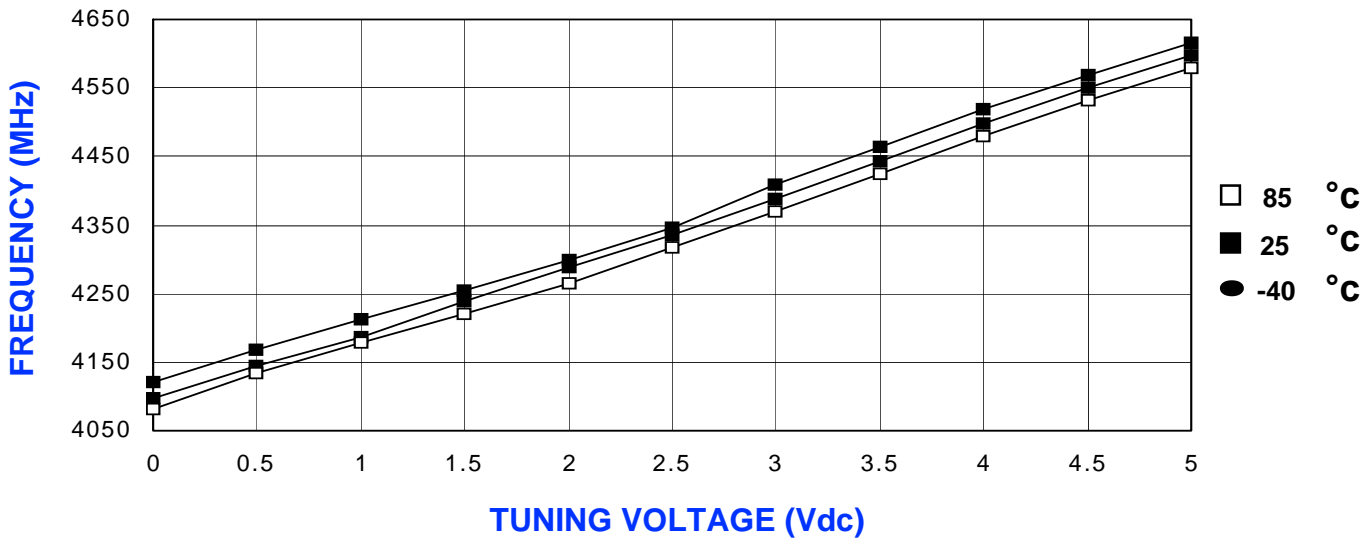
**APPLICATION NOTES**

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

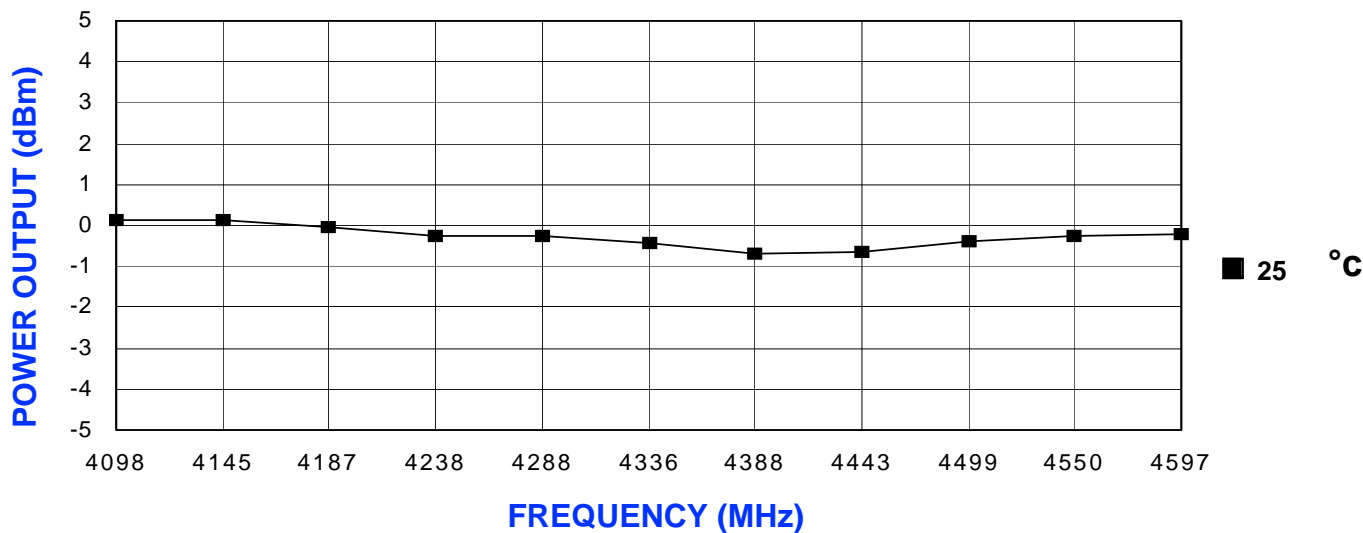
**NOTES:**

Phase Noise @ 100 kHz offset (1 Hz BW, typ.): -109 dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

