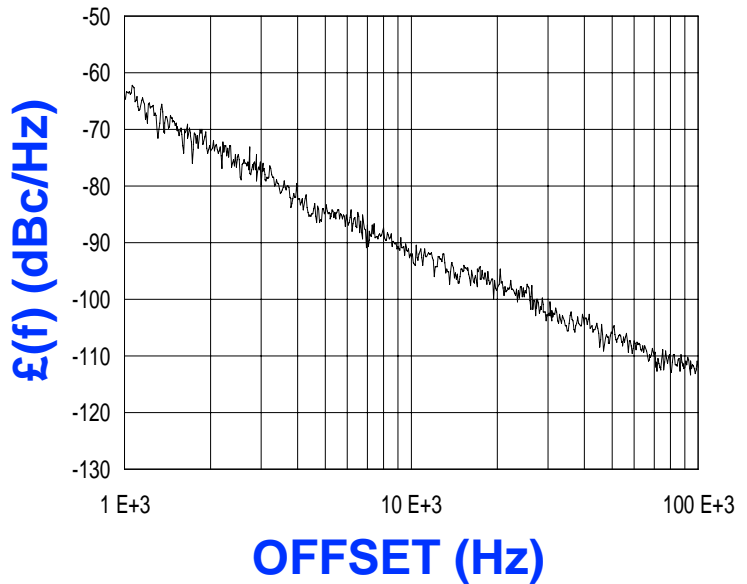




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 3100 - 3250 MHz
- Tuning Voltage: 1 - 10 Vdc
- MINI-14H - Style Package

**APPLICATIONS**

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Links

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	3100 - 3250	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-92	dBc/Hz
Harmonic Suppression (2nd, typ.)	-18	dBc
Tuning Voltage	1 - 10	Vdc
Tuning Sensitivity (avg.)	45	MHz/V
Power Output	4.5±2.5	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	50	pF
Pushing	<4	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<20	MHz
Operating Temperature Range	-45 to 85	$^{\circ}\text{C}$
Package Style	MINI-14H	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	12	mA

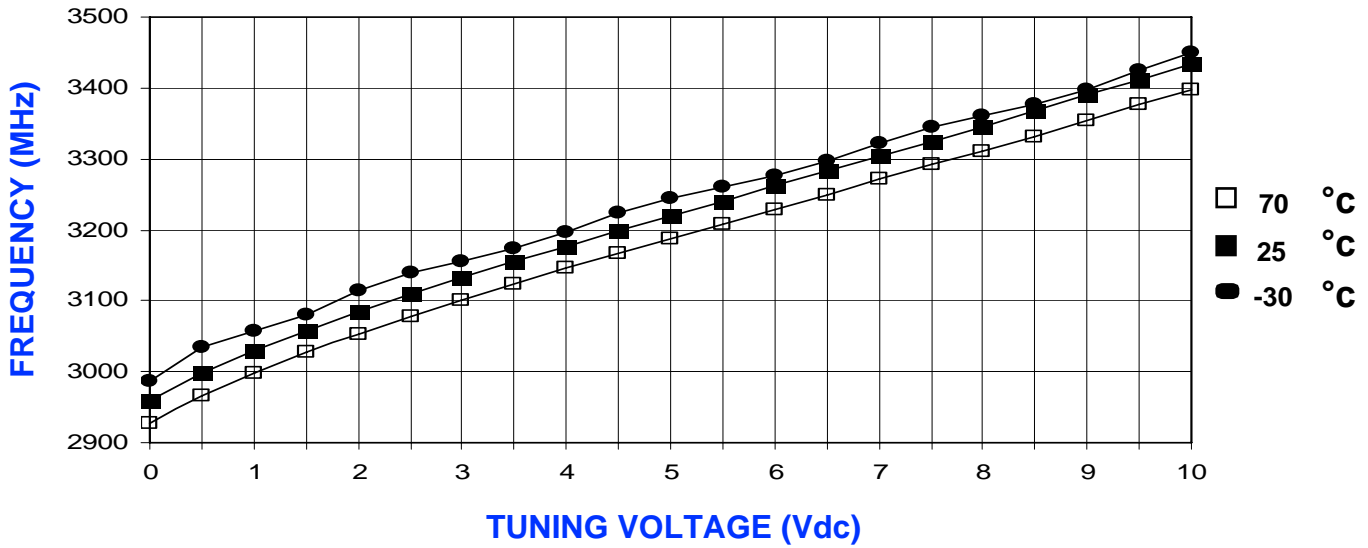
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

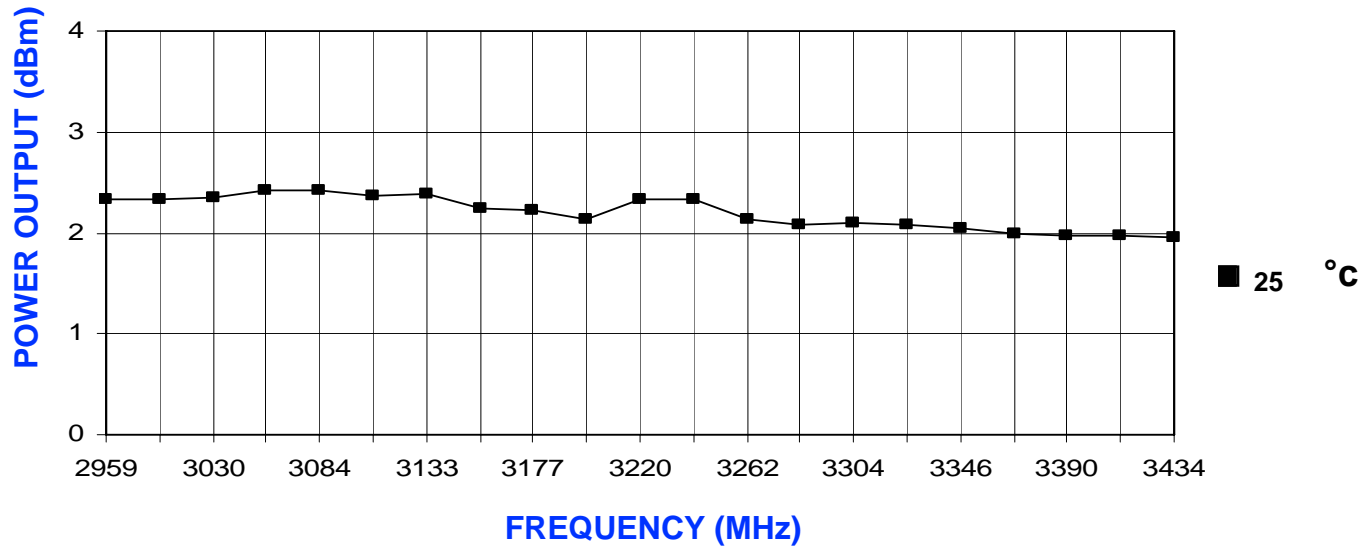
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

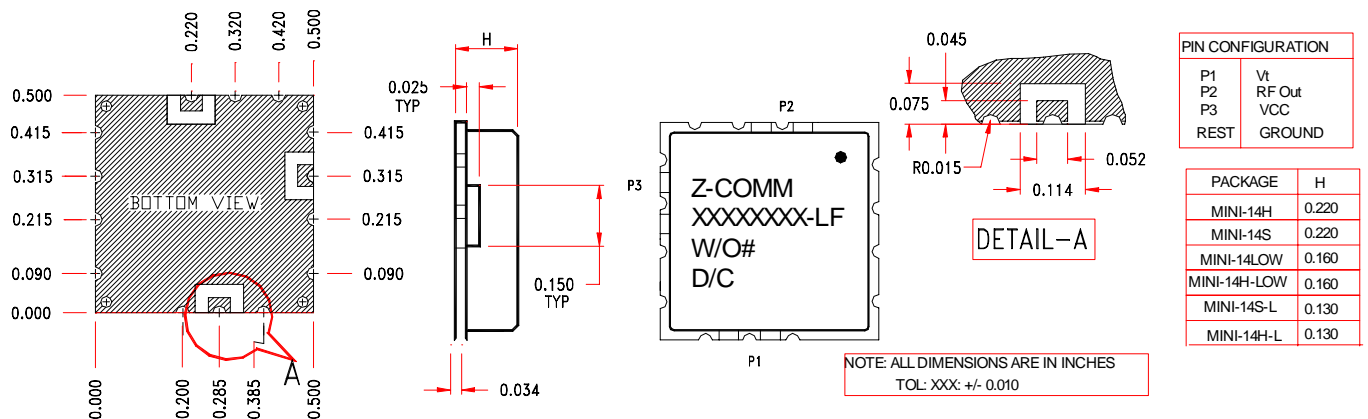
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS



P1	Vt
P2	RF Out
P3	VCC
REST	GROUND

PACKAGE	H
MINI-14H	0.220
MINI-14S	0.220
MINI-14LOW	0.160
MINI-14H-LOW	0.160
MINI-14S-L	0.130
MINI-14H-L	0.130