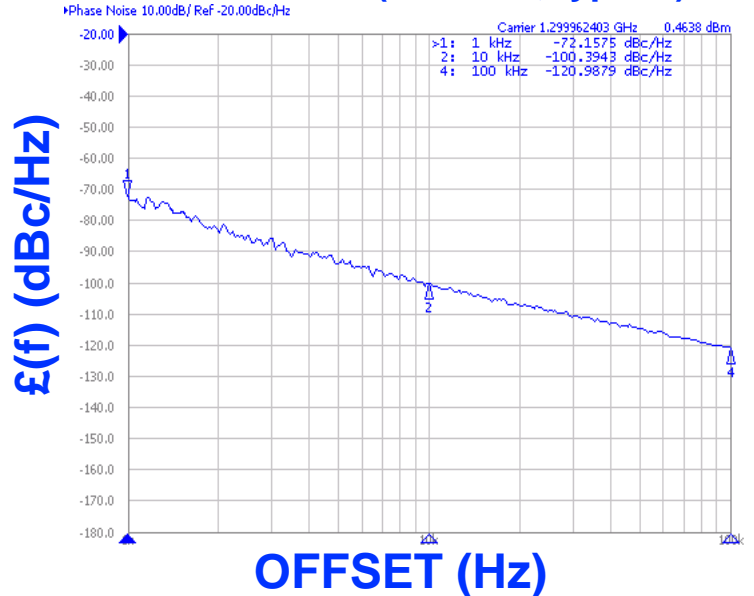




PHASE NOISE (1 Hz BW, typical)



FEATURES
<ul style="list-style-type: none"> • Frequency Range: 1000 - 1600 MHz • Tuning Voltage: 0-12 Vdc • MINI-14S-L - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Personal Communication Systems • Earthstations •

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1000 - 1600	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-15	dBc
Tuning Voltage	0-12	Vdc
Tuning Sensitivity (avg.)	98	MHz/V
Power Output	6.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<3	MHz/V
Pulling (14dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	

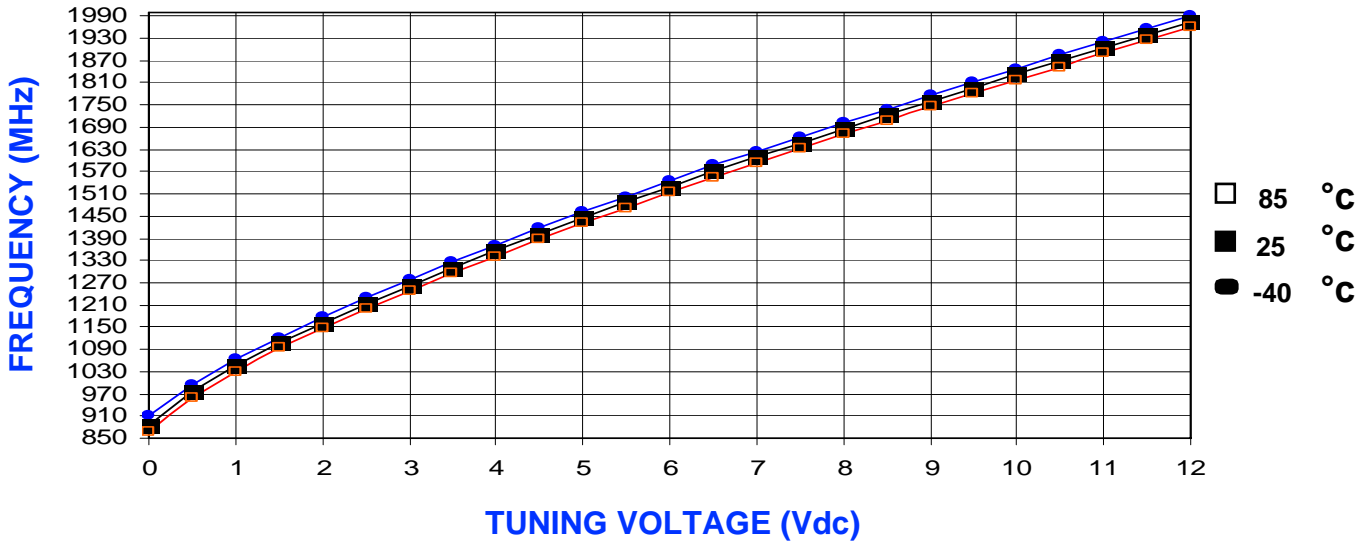
POWER SUPPLY REQUIREMENTS	VALUE	UNITS
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	21	mA

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

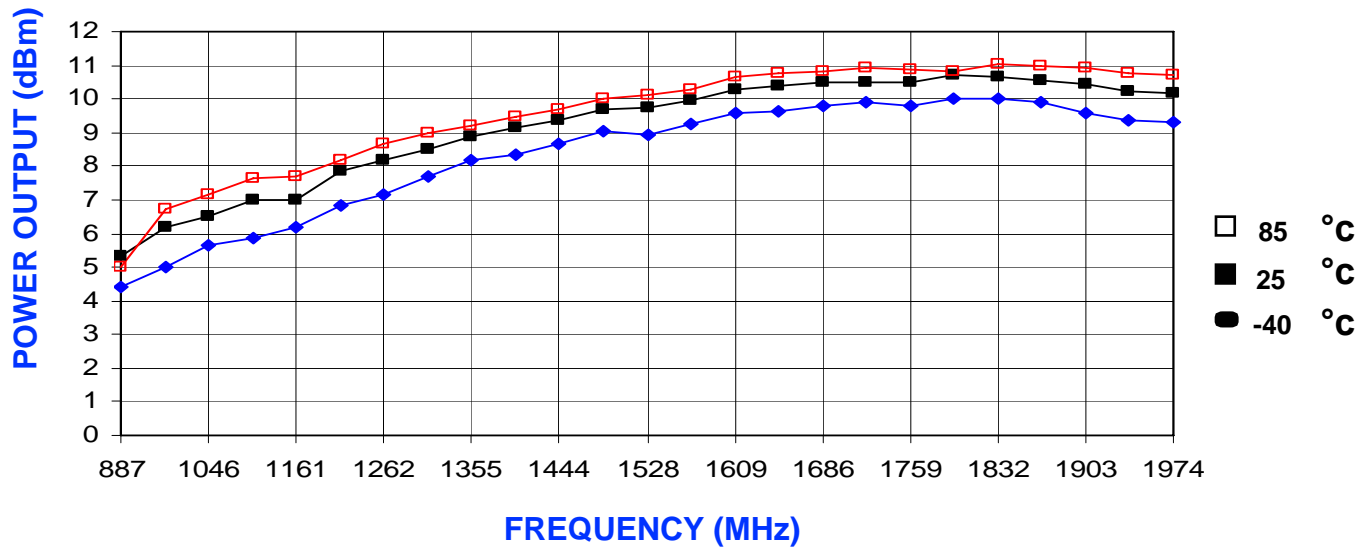
APPLICATION NOTES
<ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs

NOTES:

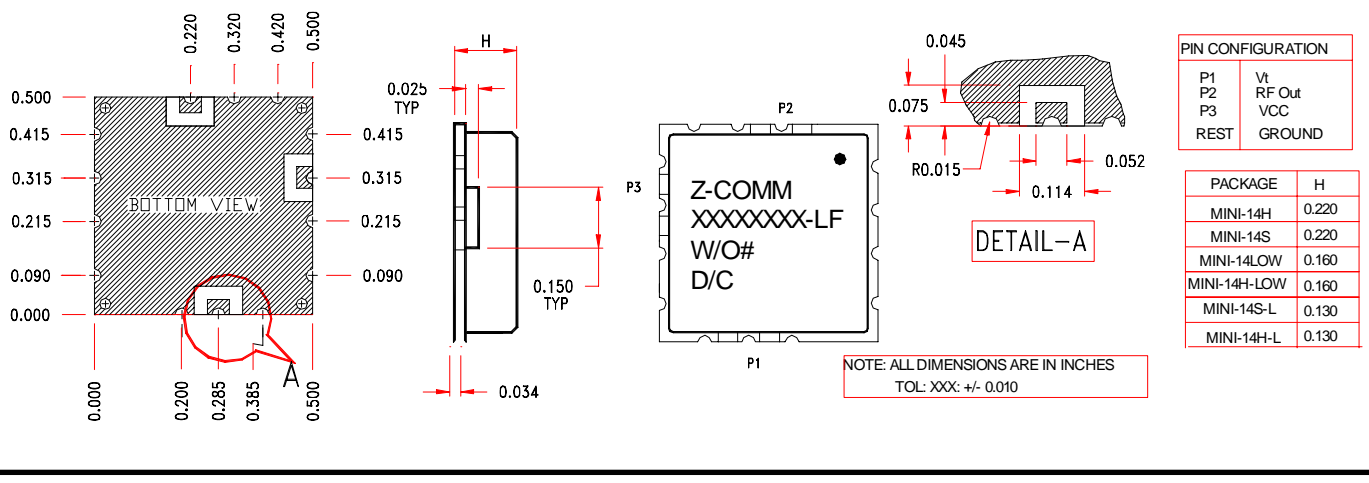
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS



PIN CONFIGURATION	
P1	Vt
P2	RF Out
P3	VCC
REST	GROUND