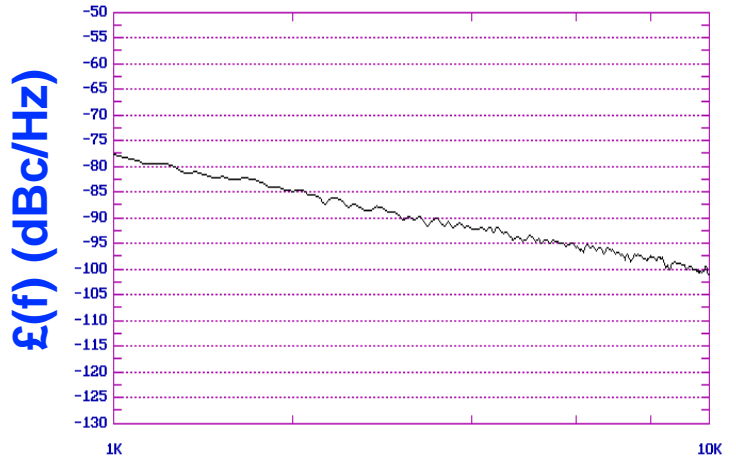


PHASE NOISE (1 Hz BW, typical)



FEATURES
<ul style="list-style-type: none"> • Frequency Range: 1000 - 2000 MHz • Tuning Voltage: 1 - 20 Vdc • MINI-14S - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Satellite Communications • Test Instrumentation • Earthstations

OFFSET (Hz)

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1000 - 2000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	1 - 20	Vdc
Tuning Sensitivity (avg.)	80	MHz/V
Power Output	5.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14dB Return Loss, Any Phase)	<7	MHz
Operating Temperature Range	-40 to 80	°C
Package Style	MINI-14S	

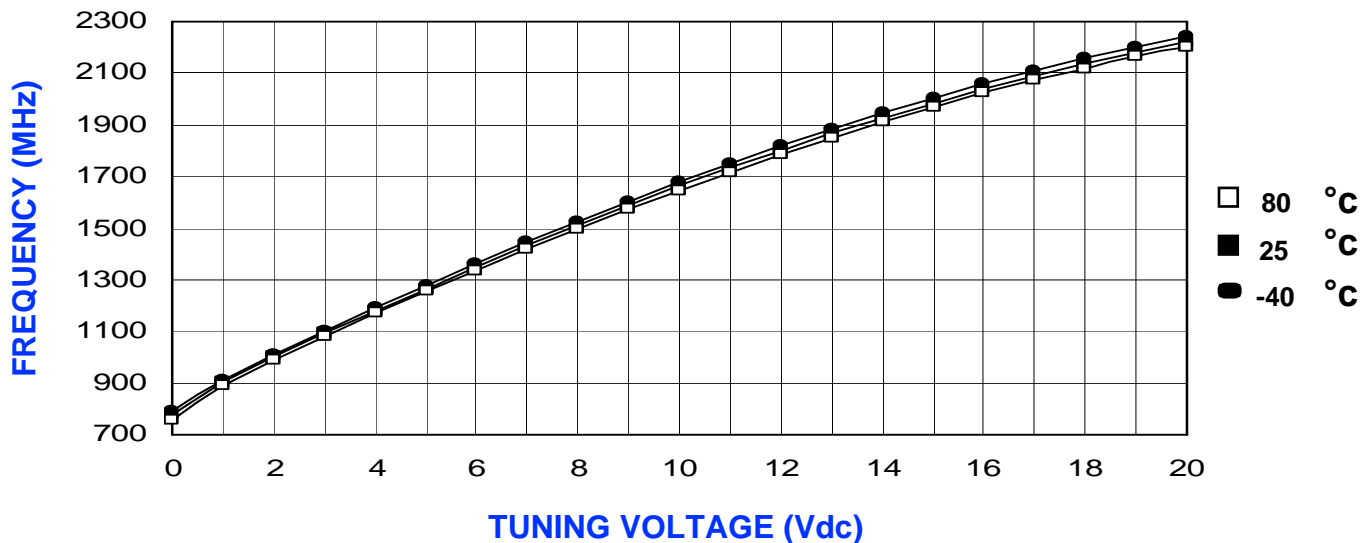
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	15	mA

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

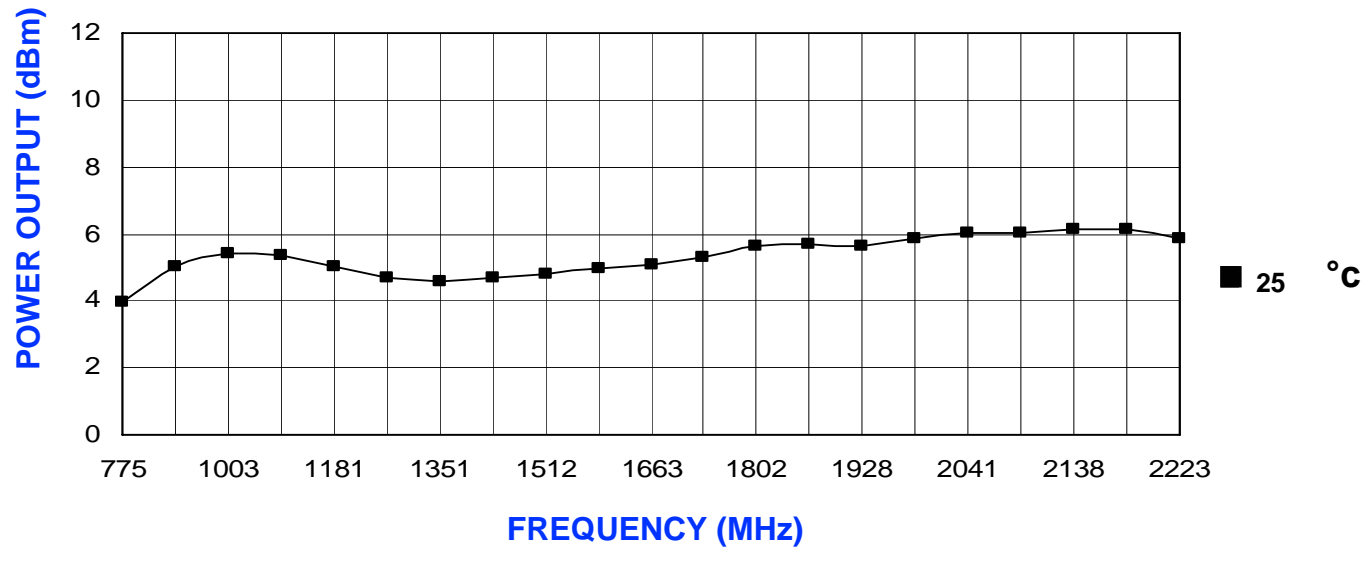
APPLICATION NOTES
<ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs

NOTES:

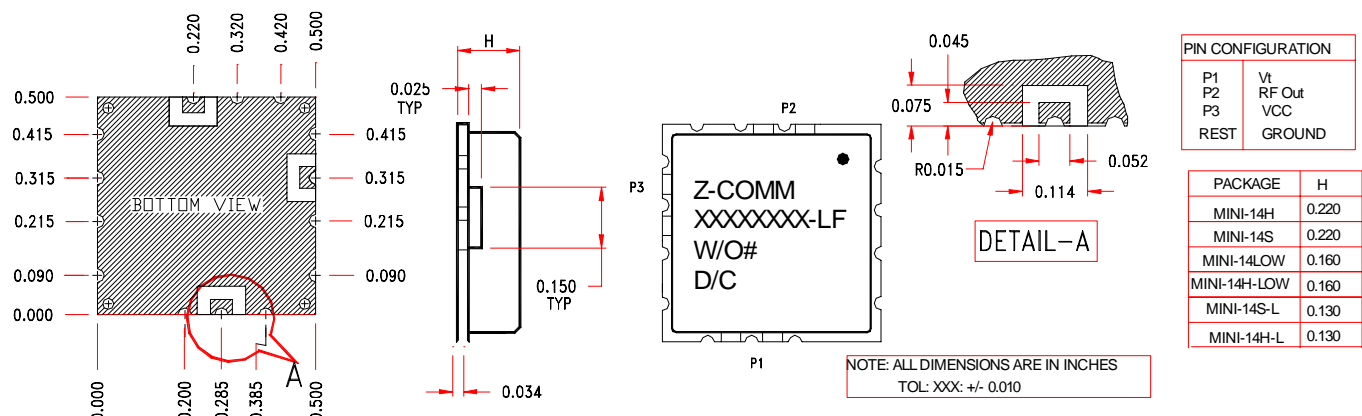
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS



PIN CONFIGURATION	
P1	Vt
P2	RF Out
P3	VCC
REST	GROUND

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