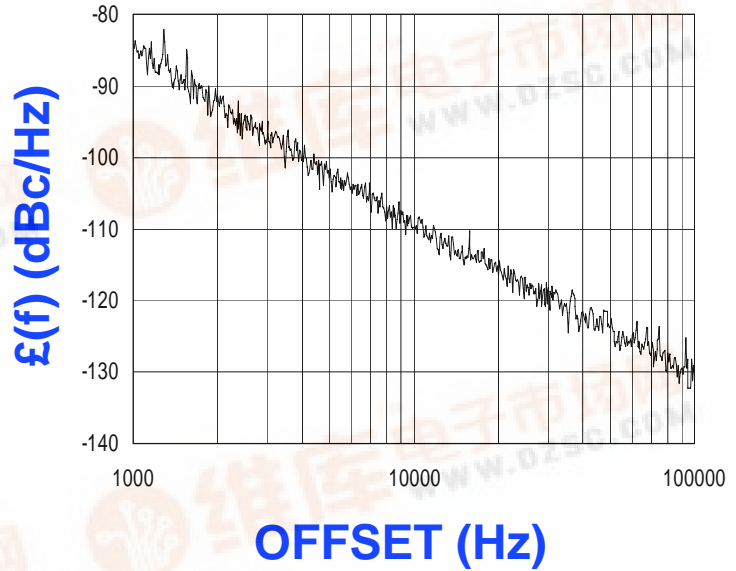




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 850 - 896 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14MS- - Style Package

APPLICATIONS

- Digital Cellular
- VHF Communications
- Base Stations

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	850 - 896	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-109	dBc/Hz
Harmonic Suppression (2nd, typ.)	-30	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	27	MHz/V
Power Output	3±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	2	MHz/V
Pulling (14dB Return Loss, Any Phase)	3	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14MS-LOW	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	23	mA

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

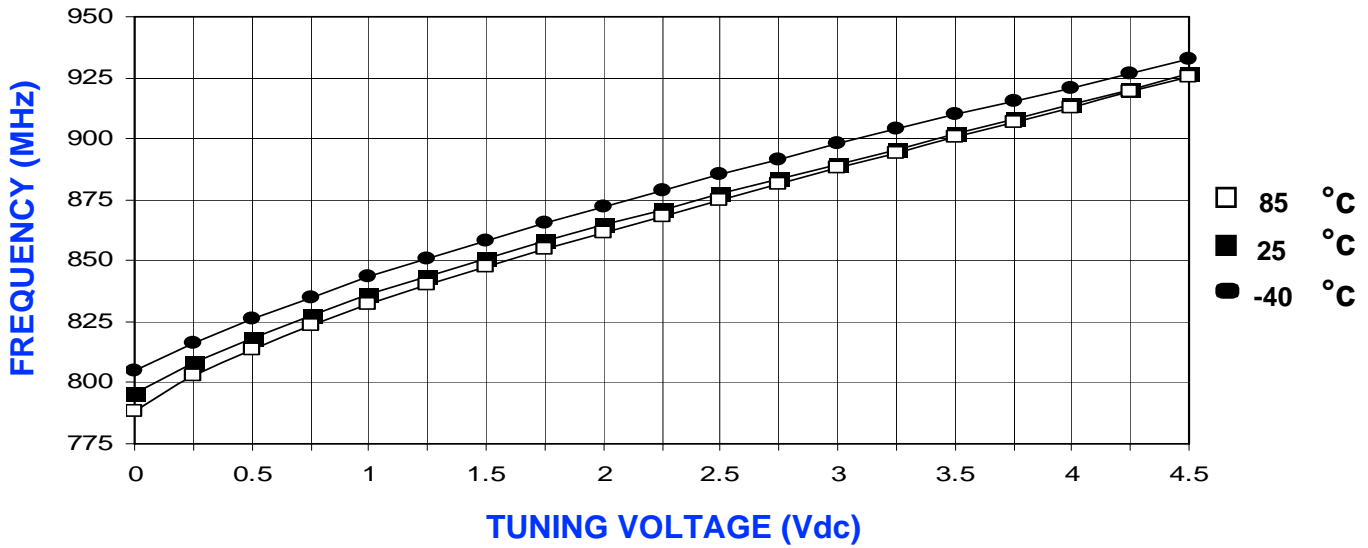
APPLICATION NOTES

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

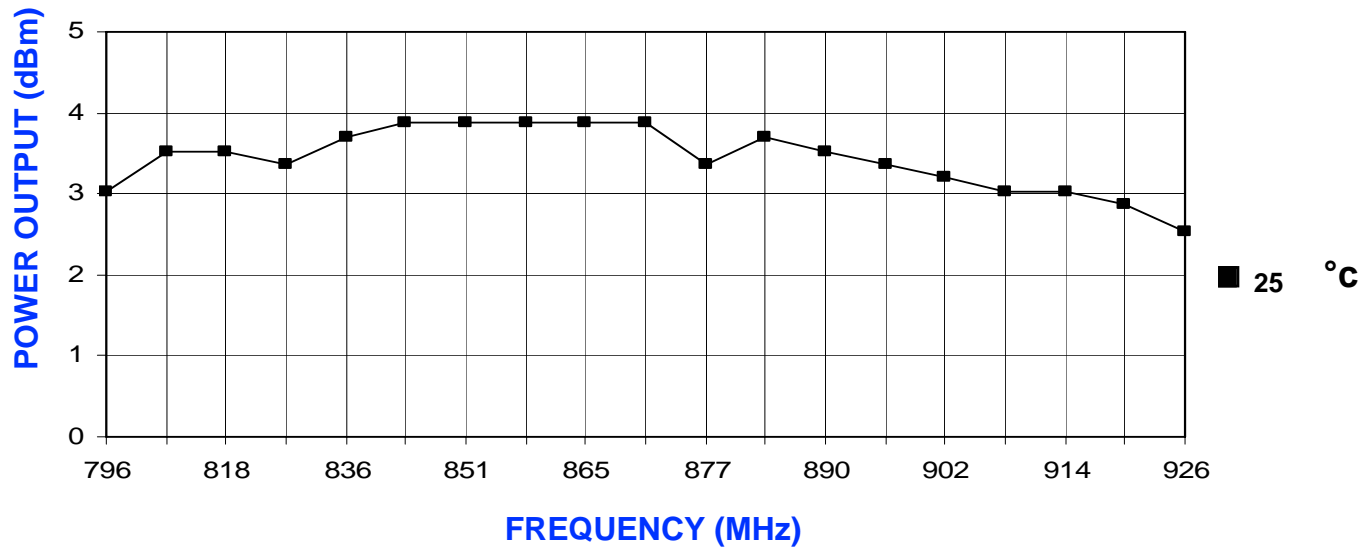
NOTES:



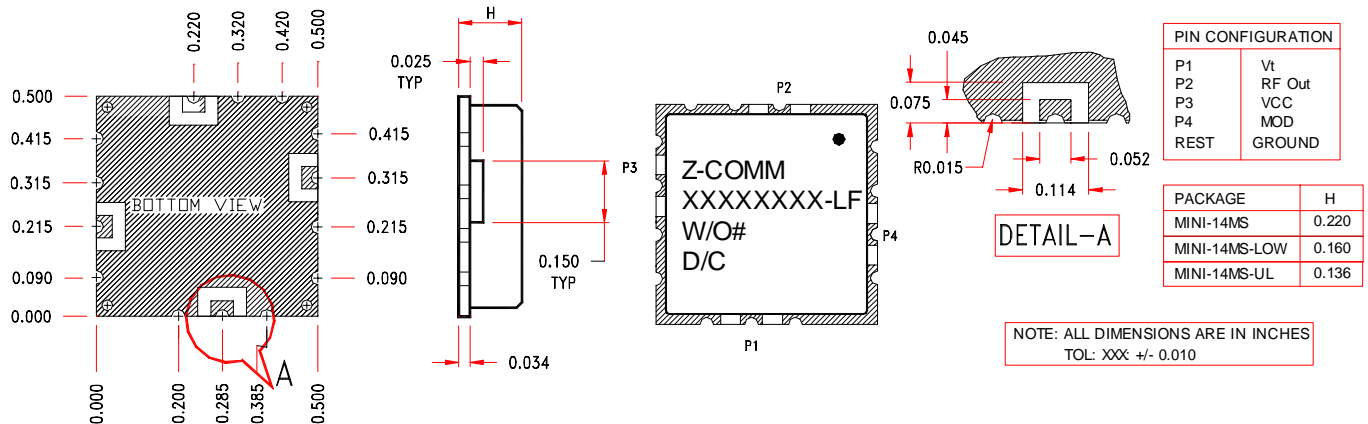
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS



PIN CONFIGURATION

P1	Vt
P2	RF Out
P3	VCC
P4	MOD
REST	GROUND

PACKAGE	H
MINI-14MS	0.220
MINI-14MS-LOW	0.160
MINI-14MS-UL	0.136

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX +/- 0.010