Z-Communications, Inc.
9939 Via Pasar • San Diego, CA 92126
TEL (858) 621-2700 FAX (858) 621-2722

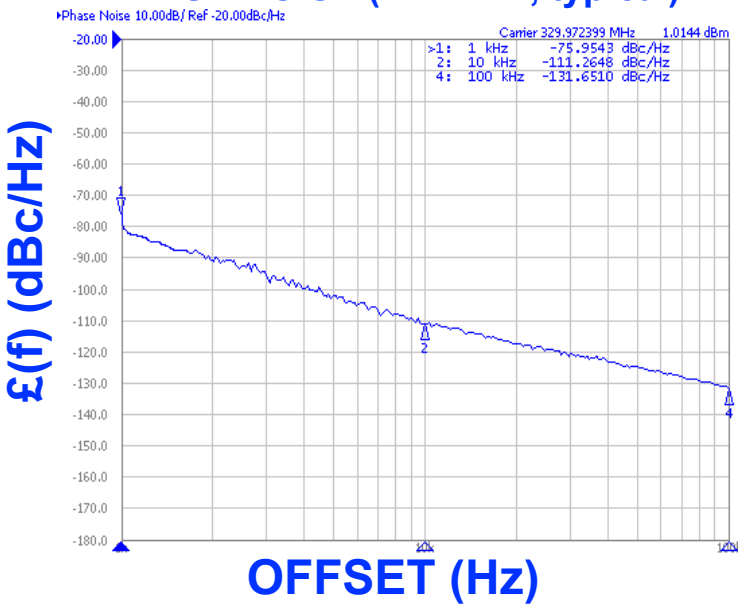
V330ME01-LF

VOLTAGE CONTROLLED OSCILLATOR

Rev B2



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 320 - 340 MHz
- Tuning Voltage: 1- 4 Vdc
- MINI-14S-L - Style Package

APPLICATIONS

- Satellite Modems
- Mobile Radios
- CATV

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	320 - 340	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-111	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	1- 4	Vdc
Tuning Sensitivity (avg.)	23	MHz/V
Power Output	6.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	250	pF
Pushing	<3	MHz/V
Pulling (14dB Return Loss, Any Phase)	<5	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	14	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

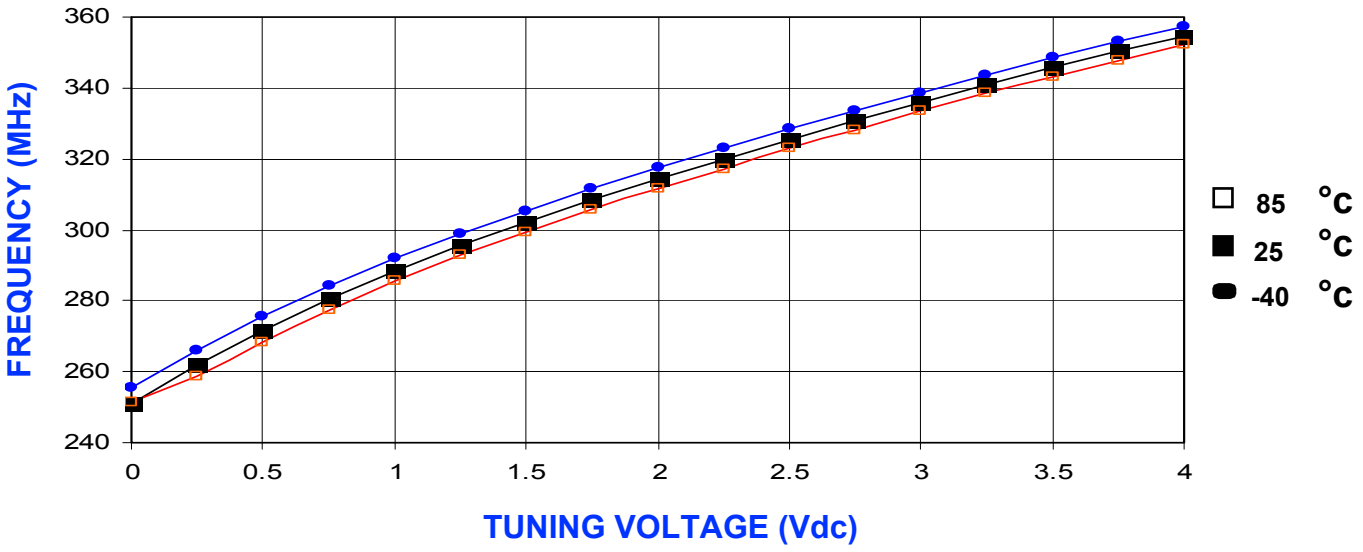
NOTES:

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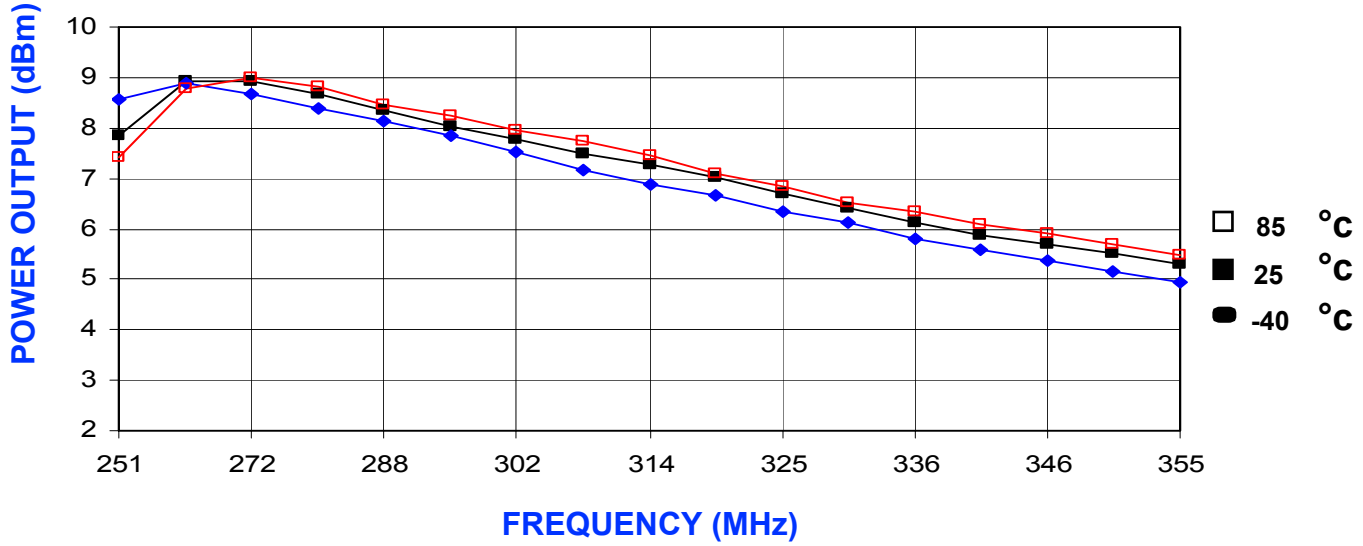
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LOW COST - HIGH PERFORMANCE

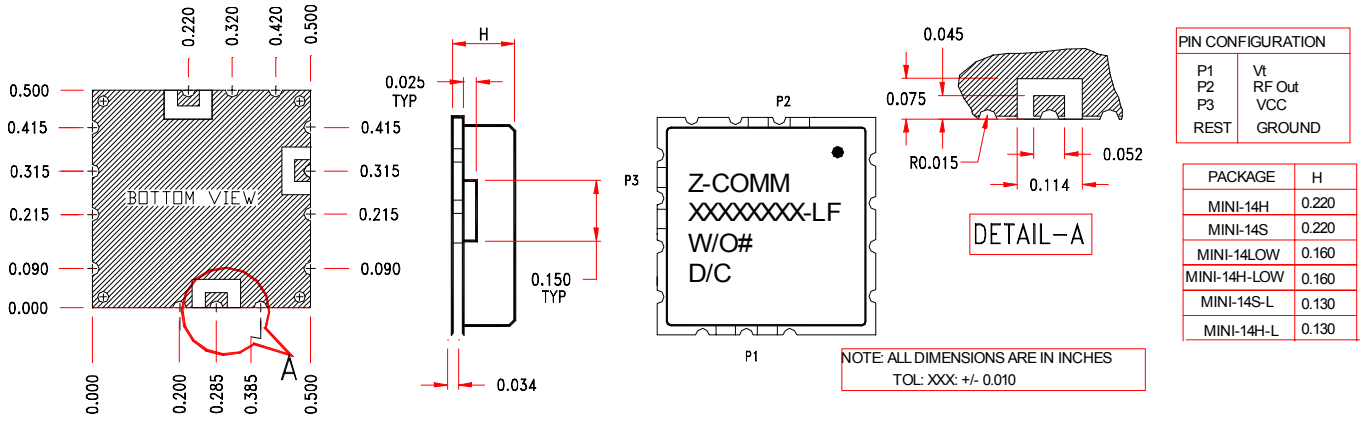
TUNING CURVE, typ.



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