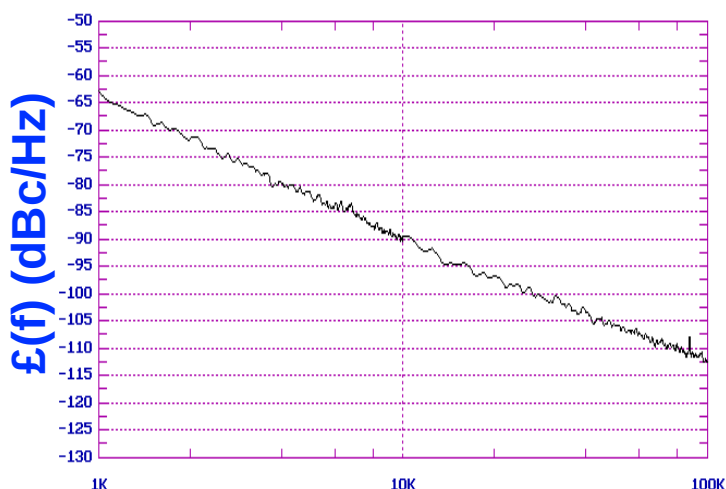


PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

FEATURES
- Frequency Range: 3930 - 4200 MHz - Tuning Voltage: 1.5-11 Vdc - MINI-14S-L - Style Package
APPLICATIONS
- Microwave Radios - Satellite Communications - Direct Broadcast

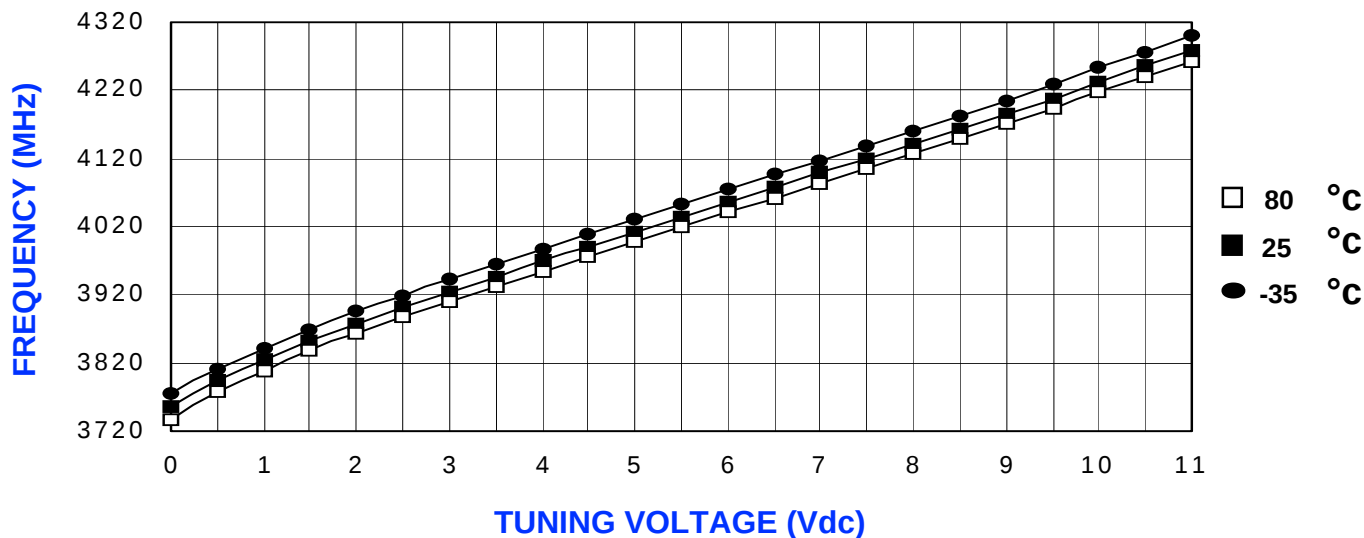
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	3930 - 4200	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-86	dBc/Hz
Harmonic Suppression (2nd, typ.)	-14	dBc
Tuning Voltage	1.5-11	Vdc
Tuning Sensitivity (avg.)	45	MHz/V
Power Output	1±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<12	MHz
Operating Temperature Range	-35 to 80	°C
Package Style	MINI-14S-L	

POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	15	mA

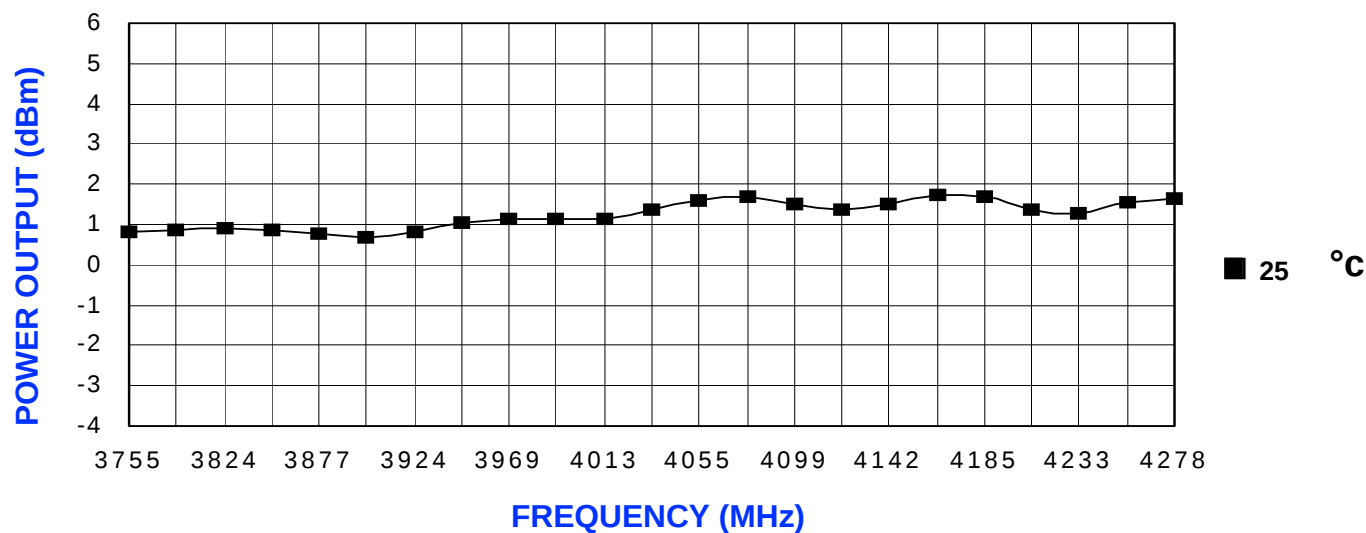
All specifications are typical unless otherwise noted and subject to change without notice.

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: Phase Noise @ 100 kHz offset (1 Hz BW, typ.): -111 dBc/Hz

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

MINI-14S-L
 415-0063 REV. B
 (DRAWING NOT TO SCALE)

