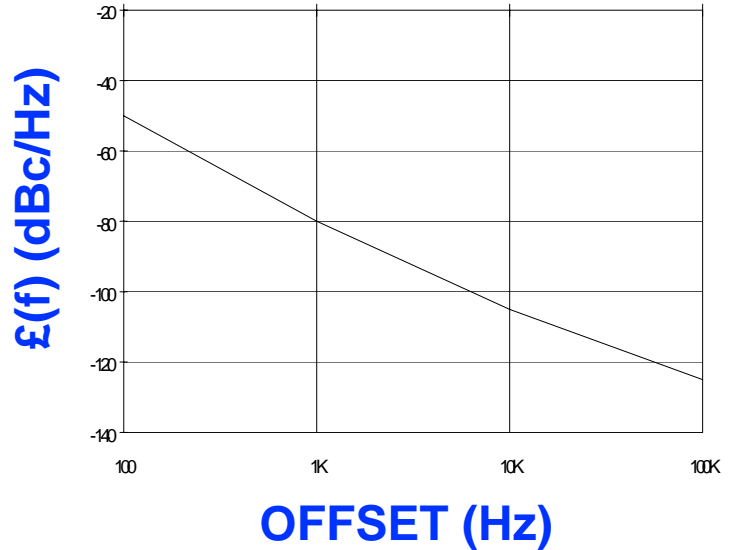




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 510 - 770 MHz
- Tuning Voltage: 1 - 8 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Mobile Radios
- Satellite Modems
- Test Equipment

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	510 - 770	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-104	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	1 - 8	Vdc
Tuning Sensitivity (avg.)	58	MHz/V
Power Output	6.5±4.5	dBm
Load Impedance	50	$\Omega$
Input Capacitance (max.)	100	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<4	MHz
Operating Temperature Range	-30 to 85	$^{\circ}\text{C}$
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	9	Vdc
Supply Current (Icc, typ.)	17	mA

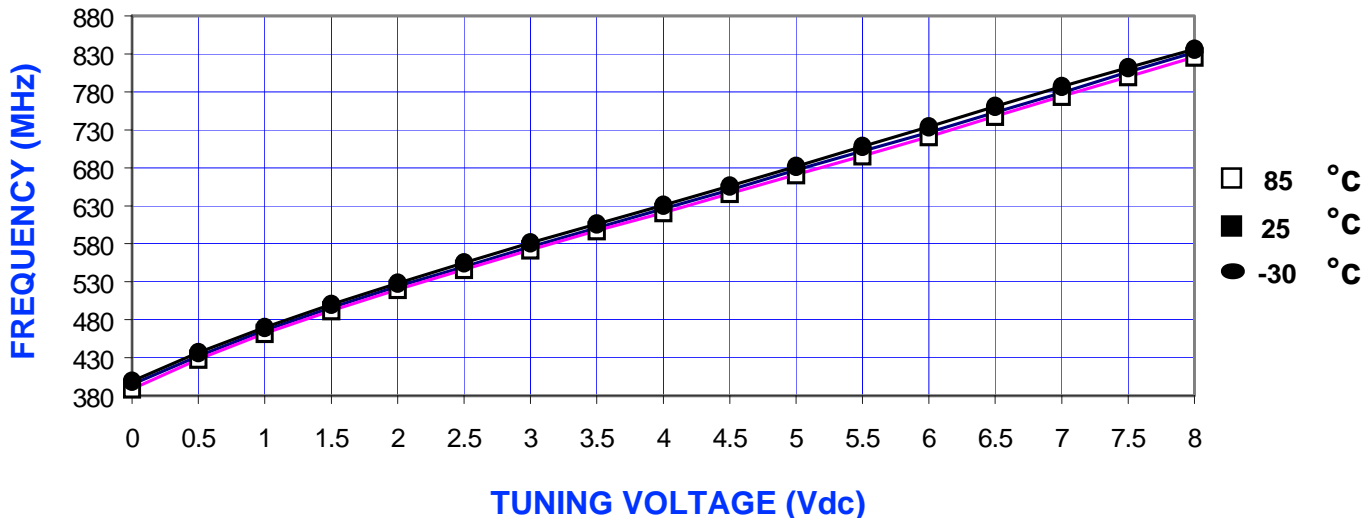
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

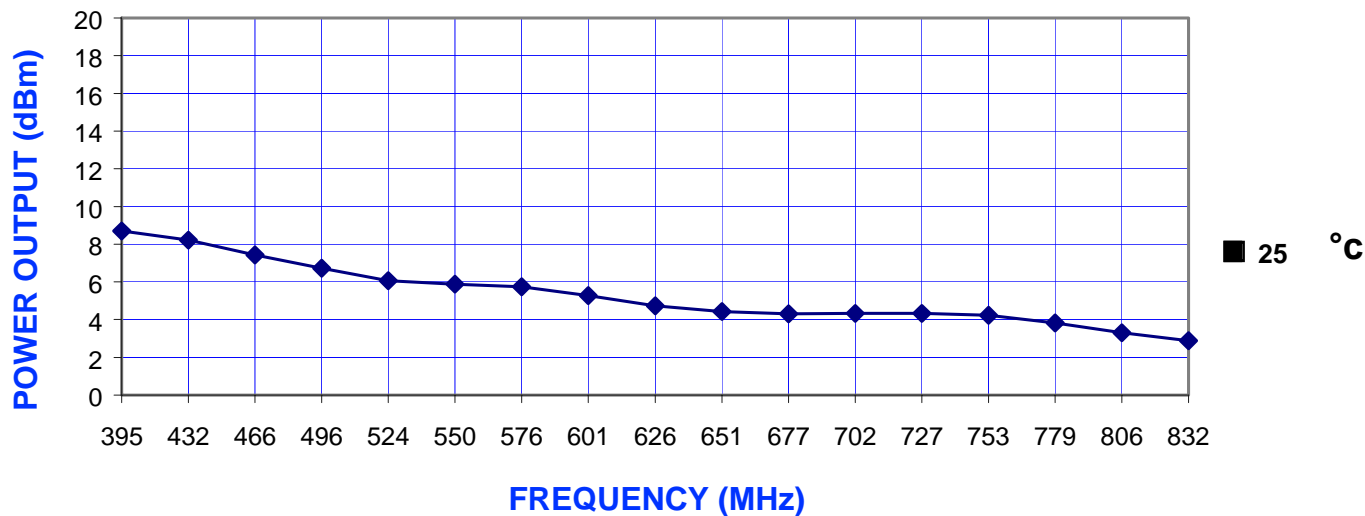
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

**TUNING CURVE, typ.**



**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

