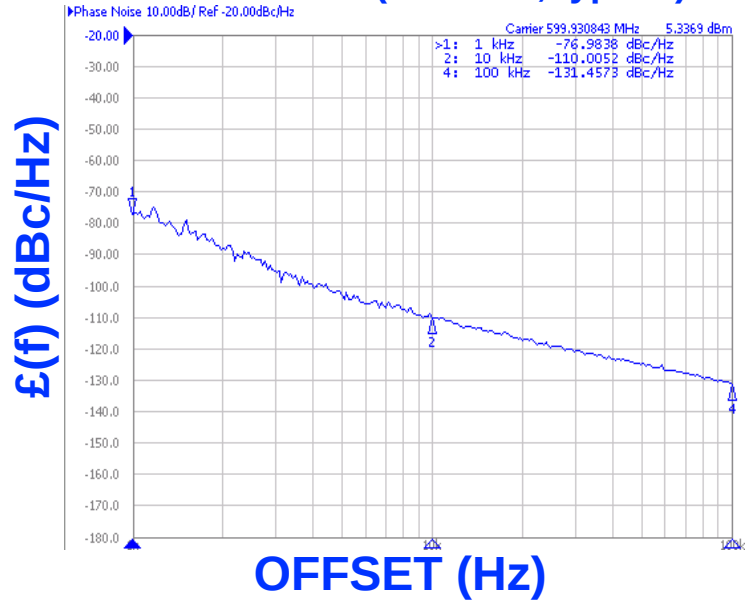




PHASE NOISE (1 Hz BW, typical)



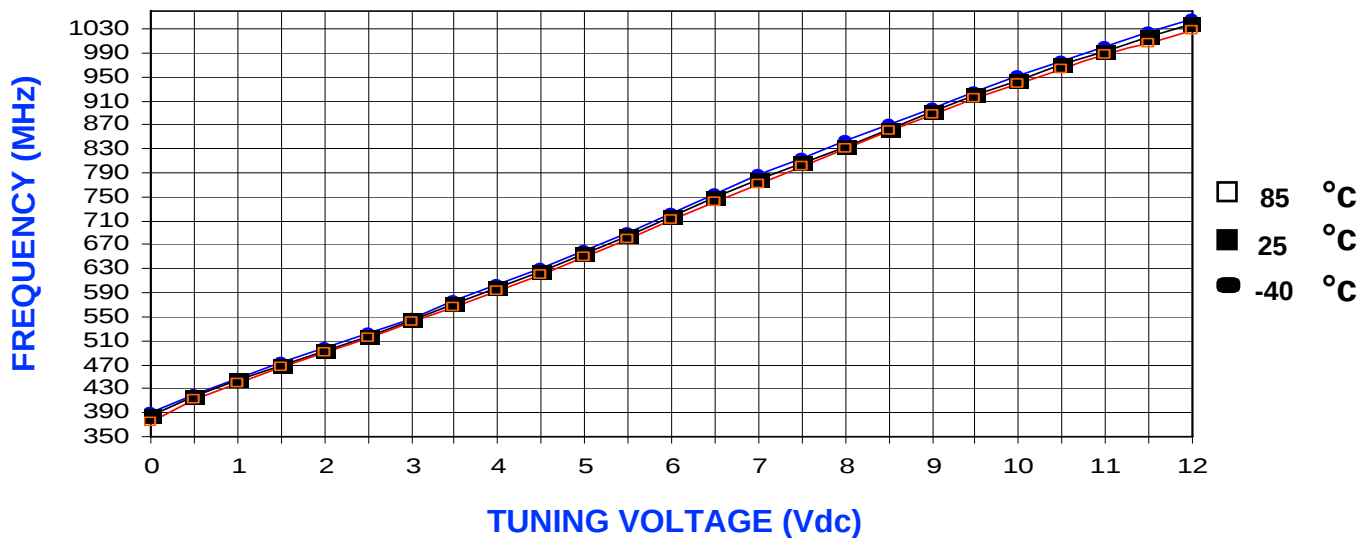
FEATURES
- Frequency Range: 400 - 800 MHz - Tuning Voltage: 0-12 Vdc - MINI-14S - Style Package
APPLICATIONS
- Mobile Communications - Satellite Modems - Downconverters

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	400 - 800	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0-12	Vdc
Tuning Sensitivity (avg.)	56	MHz/V
Power Output	6±6	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<4	MHz/V
Pulling (14dB Return Loss, Any Phase)	<3	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	18	mA

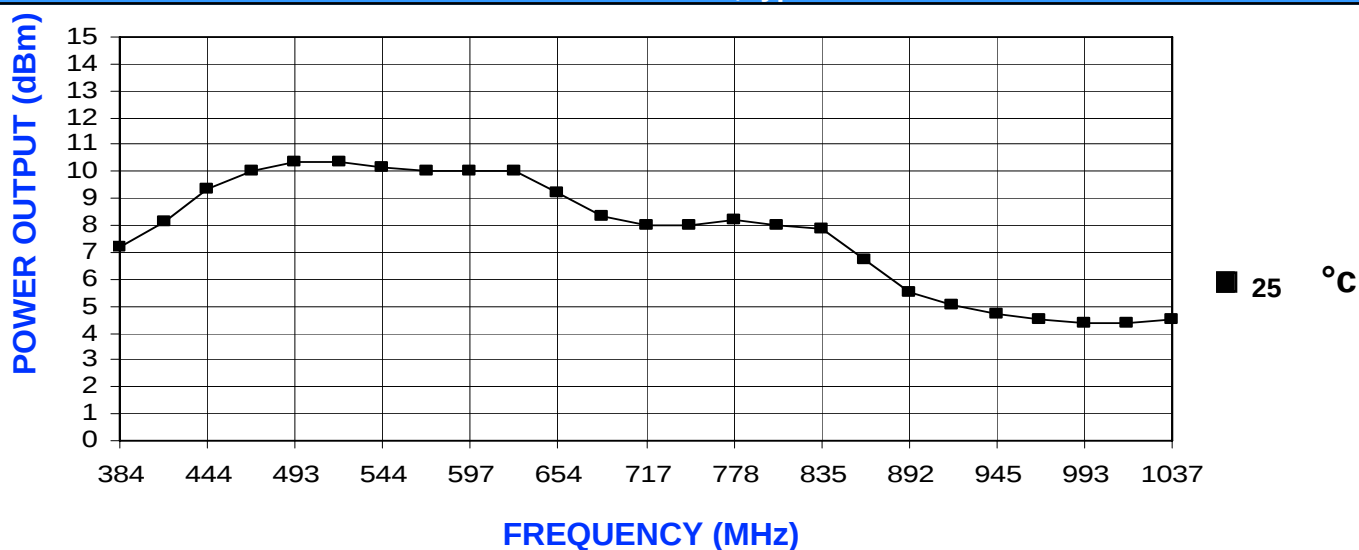
All specifications are typical unless otherwise noted and subject to change without notice.

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

