



PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1400 - 1650 MHz
- Tuning Voltage: 2-18 Vdc
- MINI-14S - Style Package

APPLICATIONS

- VSAT
- GPS Receivers
- Earthstations

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	1400 - 1650	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-100	dBc/Hz
Harmonic Suppression (2nd, typ.)	-7	dBc
Tuning Voltage	2-18	Vdc
Tuning Sensitivity (avg.)	28	MHz/V
Power Output	7±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<10	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<20	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.)	17	mA

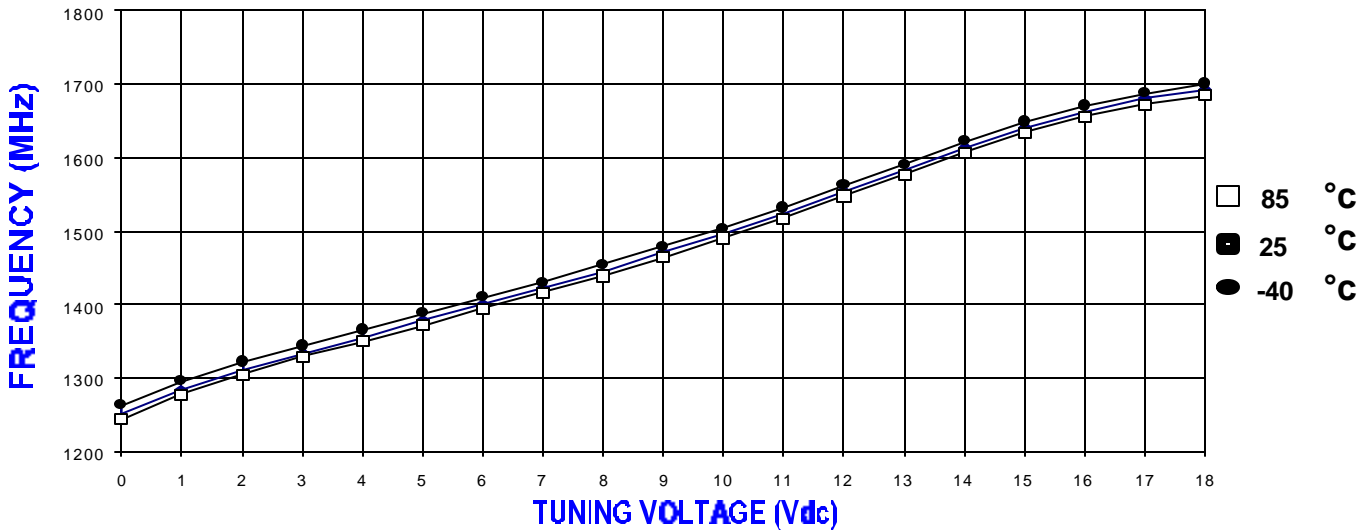
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

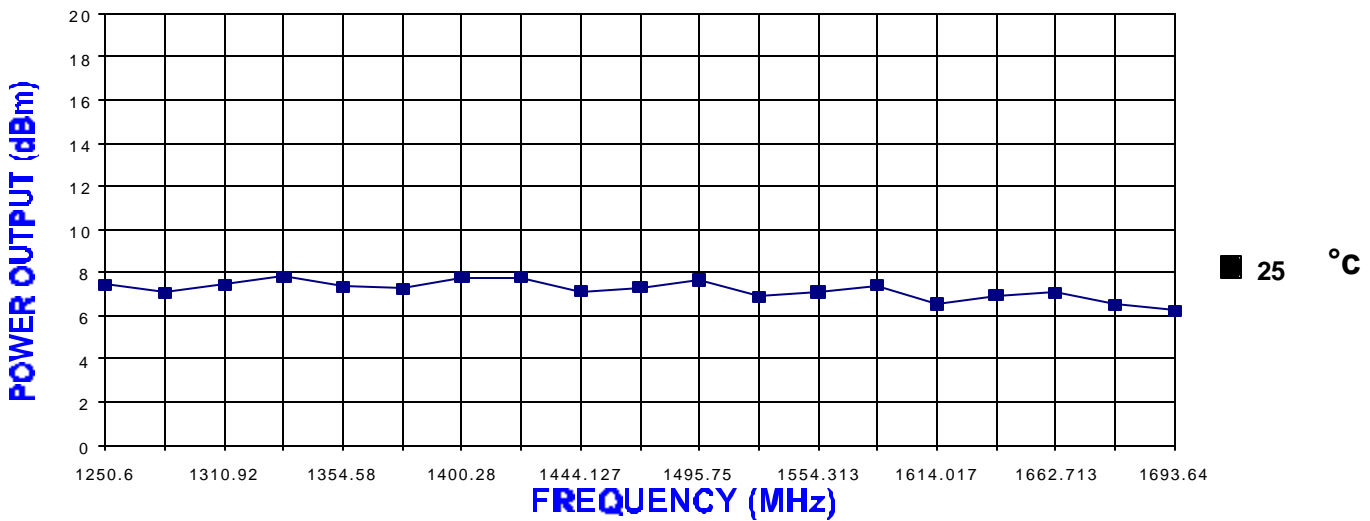
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

