

FEATURES

- Frequency Range: 1568 - 1971 MHz
- Tuning Voltage: 1-20 Vdc
- MINI-14S-L - Style Package

APPLICATIONS

- Satellite Communications
- Test Instrumentation
- Earthstations

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1568 - 1971	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-102	dBc/Hz
Harmonic Suppression (2nd, typ.)	-9	dBc
Tuning Voltage	1-20	Vdc
Tuning Sensitivity (avg.)	33	MHz/V
Power Output	6.5±1.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	100	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	0 to 75	$^{\circ}\text{C}$
Package Style	MINI-14S-L	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	10	Vdc
Supply Current (Icc, typ.)	16	mA

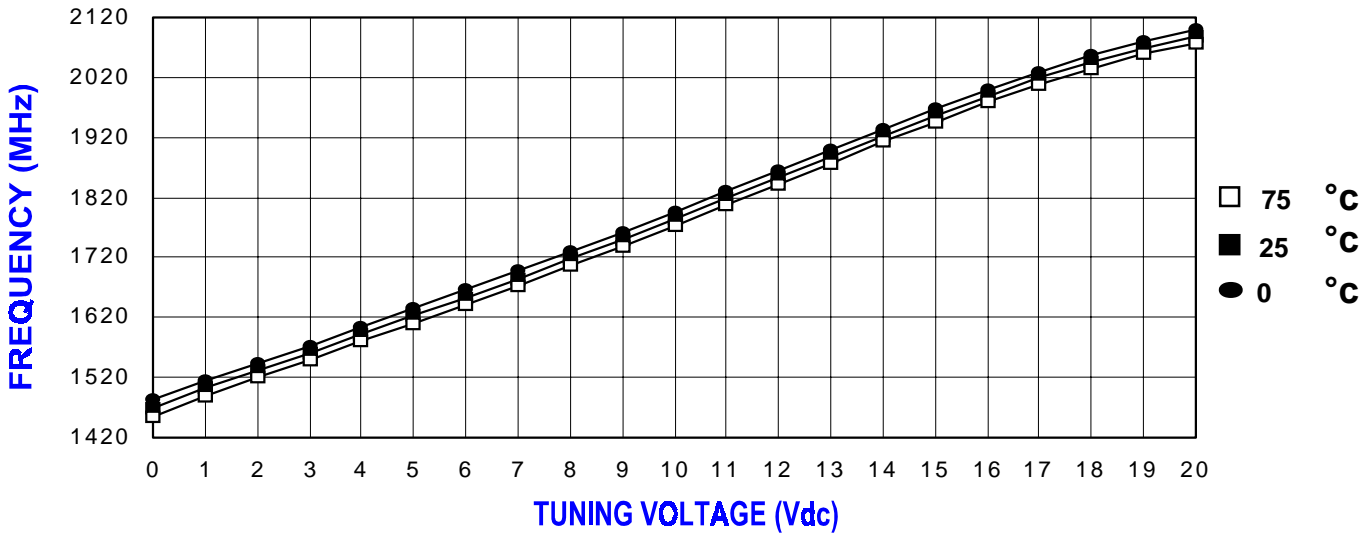
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

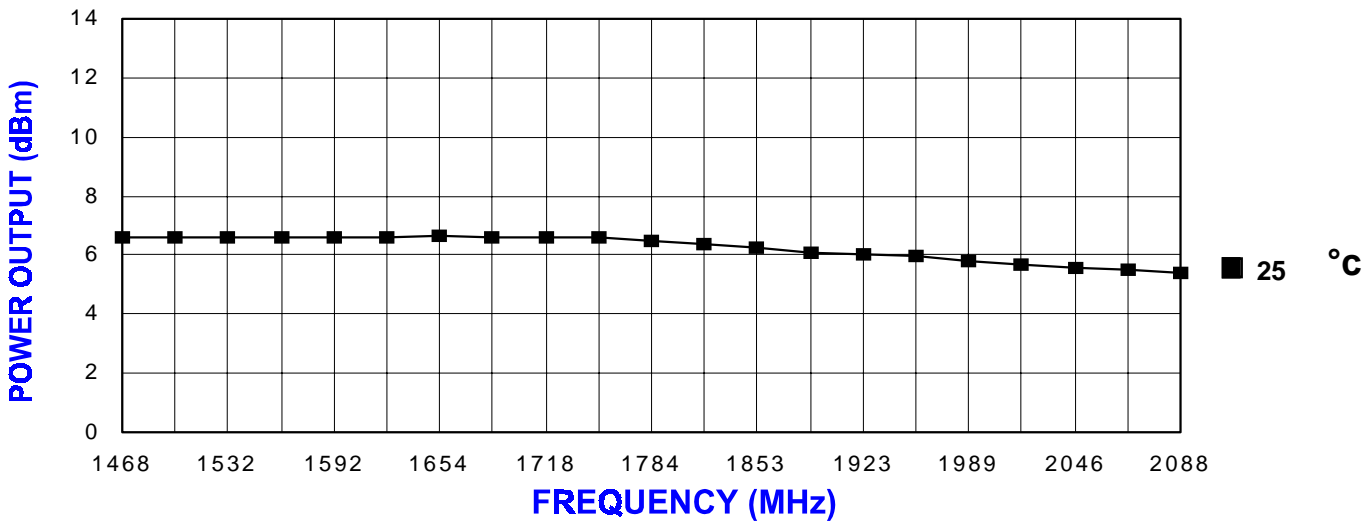
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

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

