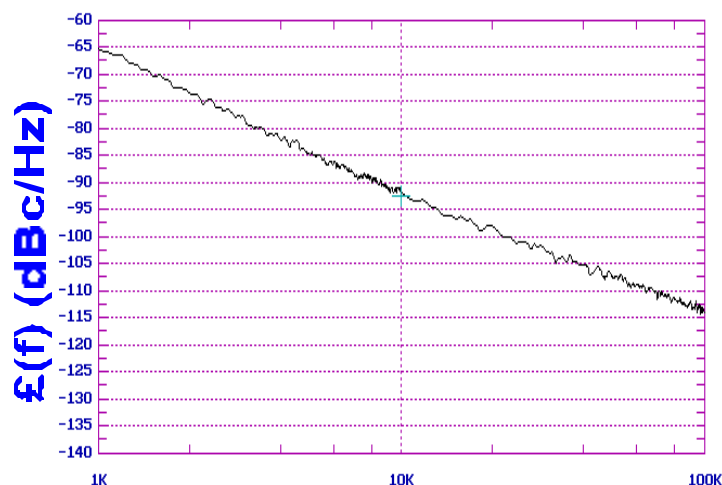


PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

FEATURES

- Frequency Range: 2450 - 3050 MHz
- Tuning Voltage: 0.5-10.5 Vdc
- MINI-14H - Style Package

APPLICATIONS

- Direct Broadcast
- Satellite Communication Systems
- Microwave Links

PERFORMANCE SPECIFICATIONS

VALUE

UNITS

Oscillation Frequency Range	2450 - 3050	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-92	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0.5-10.5	Vdc
Tuning Sensitivity (avg.)	68	MHz/V
Power Output	2±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	20	pF
Pushing	<12	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14H	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	13	mA

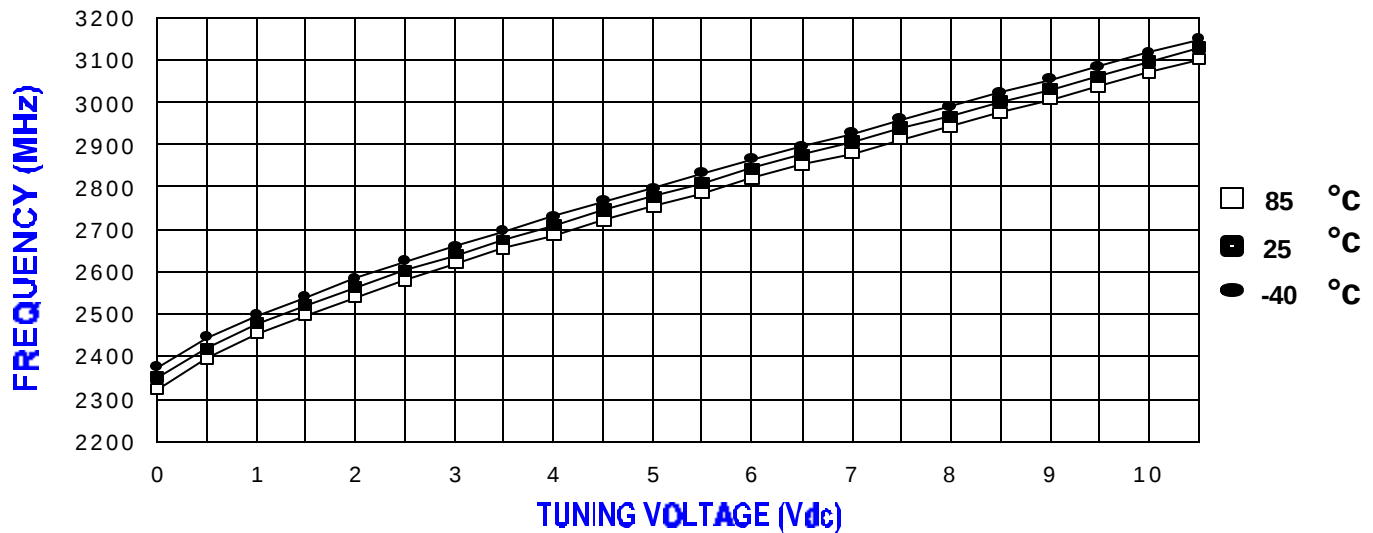
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

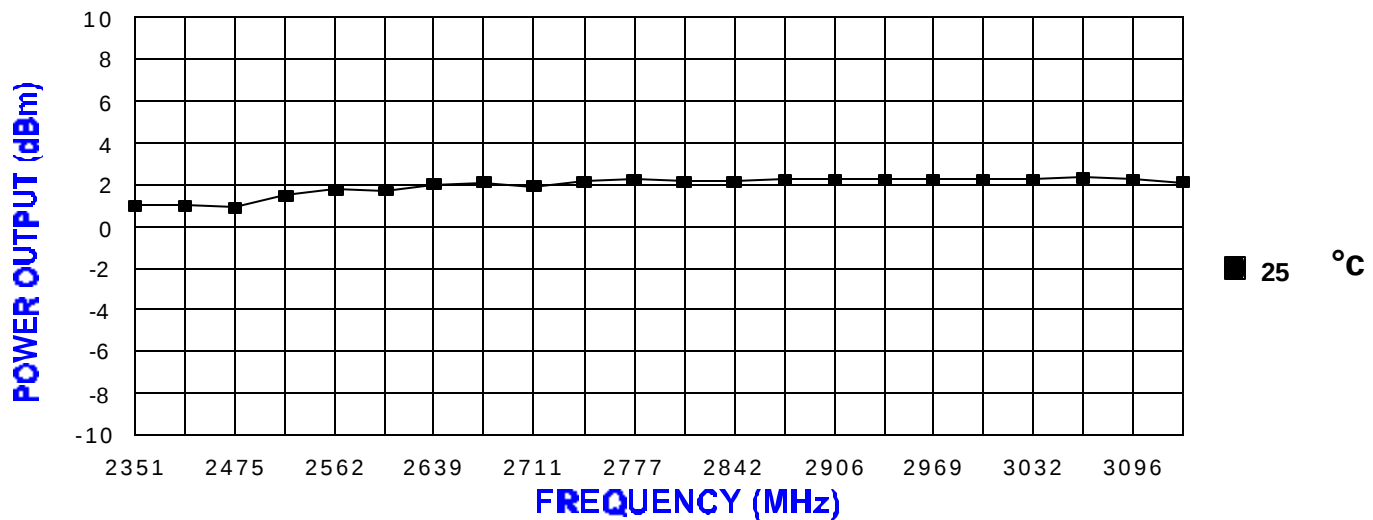
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

