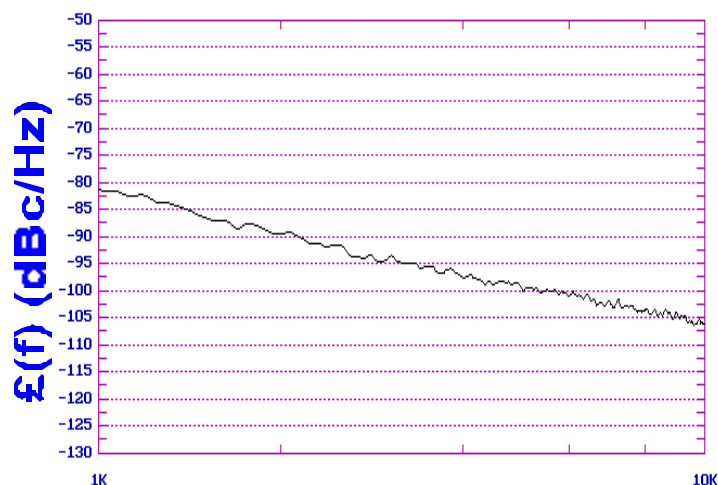


PHASE NOISE (1 Hz BW, typical)



OFFSET (Hz)

FEATURES

- Frequency Range: 240 - 270 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-16 - Style Package

APPLICATIONS

- Satellite Modems
- Mobile Radios
- Earthstations

PERFORMANCE SPECIFICATIONS

VALUE

UNITS

Oscillation Frequency Range

240 - 270

MHz

Phase Noise @ 10 kHz offset (1 Hz BW, typ.)

-105

dBc/Hz

Harmonic Suppression (2nd, typ.)

-8

dBc

Tuning Voltage

0.5-4.5

Vdc

Tuning Sensitivity (avg.)

15

MHz/V

Power Output

8±2

dBm

Load Impedance

50

Ω

Input Capacitance (max.)

200

pF

Pushing

<3

MHz/V

Pulling (14 dB Return Loss, Any Phase)

<1

MHz

Operating Temperature Range

-40 to 85

°C

Package Style

MINI-16

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)

5

Vdc

Supply Current (Icc, typ.)

12

mA

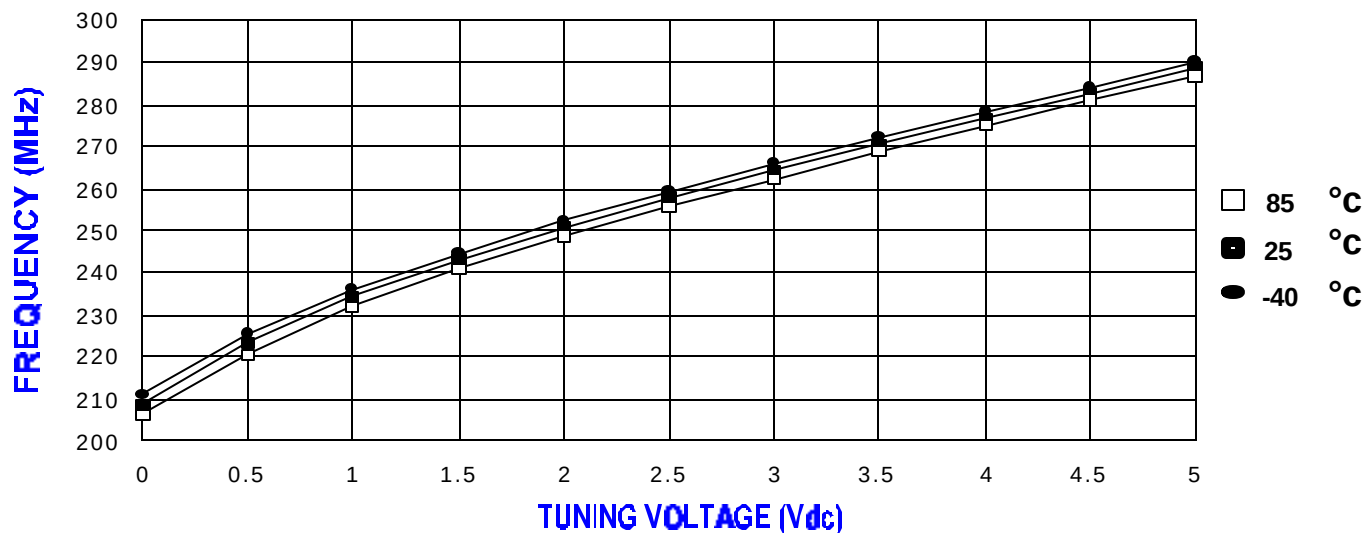
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

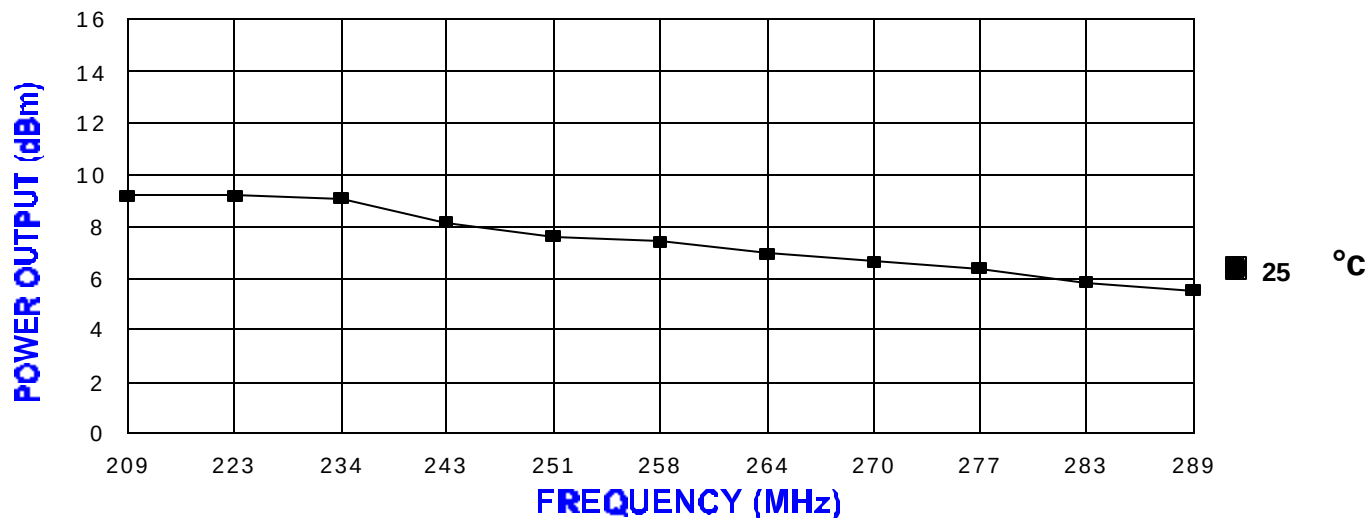
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

