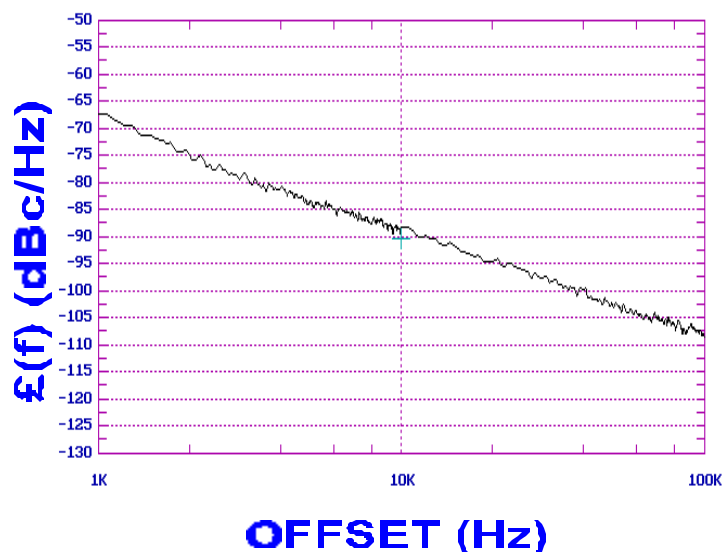




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 2300- 2360MHz
- Tuning Voltage: 0.5-2.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- Personal Communication Systems
- WLAN
- Portable Radios

PERFORMANCE SPECIFICATIONS

VALUE

UNITS

Oscillation Frequency Range

2300- 2360

MHz

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

-88

dBc/Hz

Harmonic Suppression (2nd, typ.)

-12

dBc

Tuning Voltage

0.5-2.5

Vdc

Tuning Sensitivity (avg.)

140

MHz/V

Power Output

-0.25±3.75

dBm

Load Impedance

50

Ω

Input Capacitance (max.)

50

pF

Pushing

10

MHz/V

Pulling (14 dB Return Loss, Any Phase)

13

MHz

Operating Temperature Range

-30 to 85

°C

Package Style

SUB-L

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)

2.7

Vdc

Supply Current (Icc, typ.)

8

mA

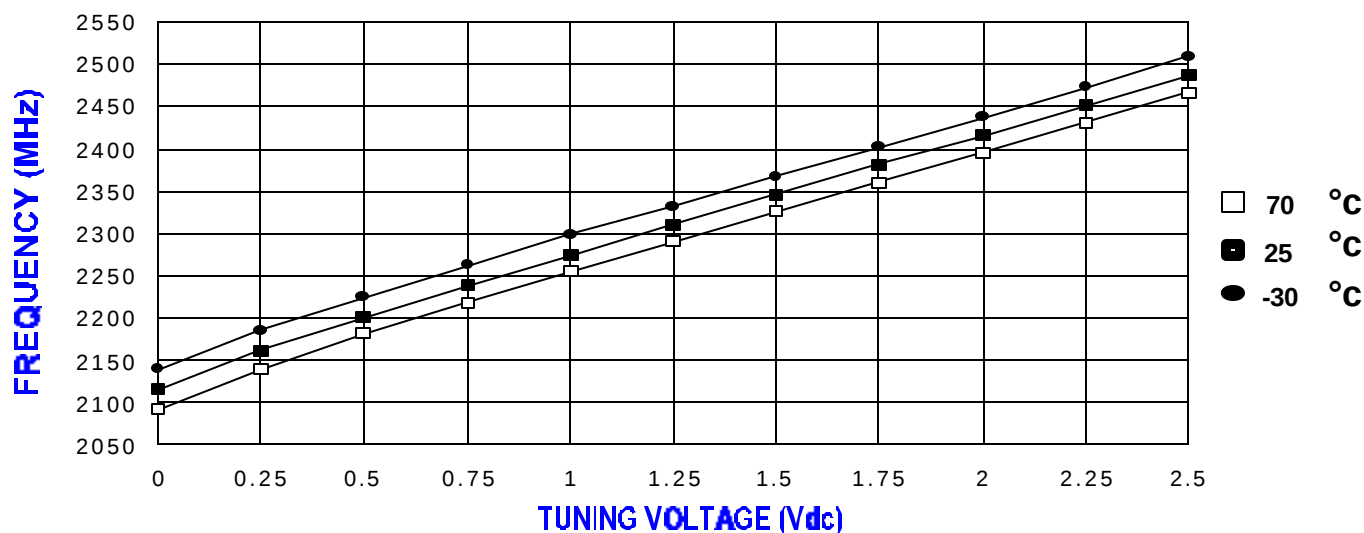
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

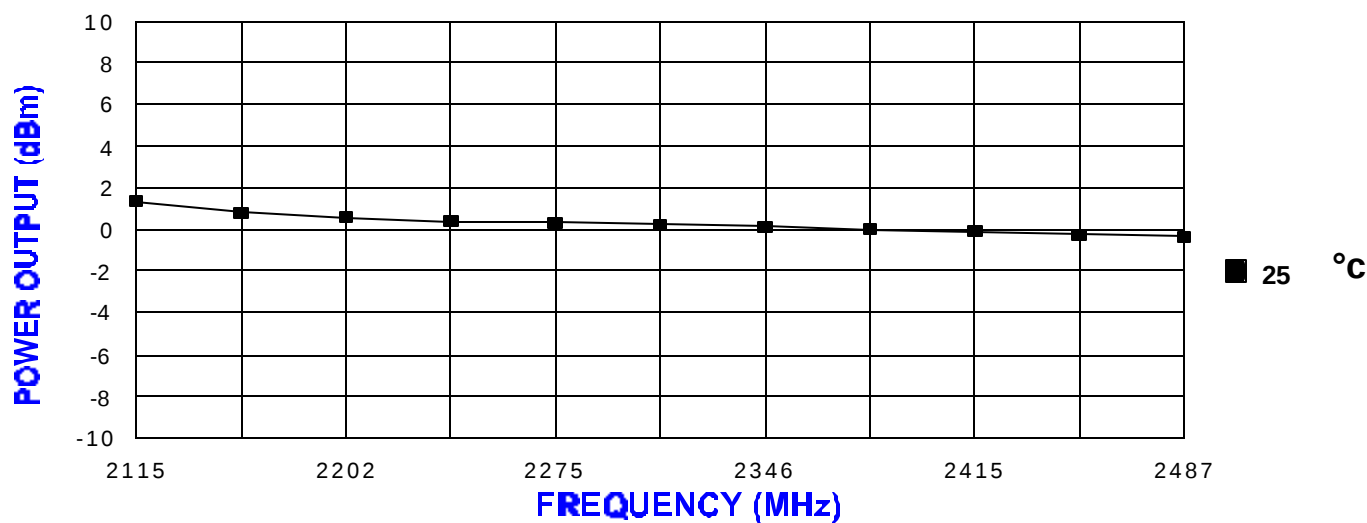
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

TUNING CURVE, typ.

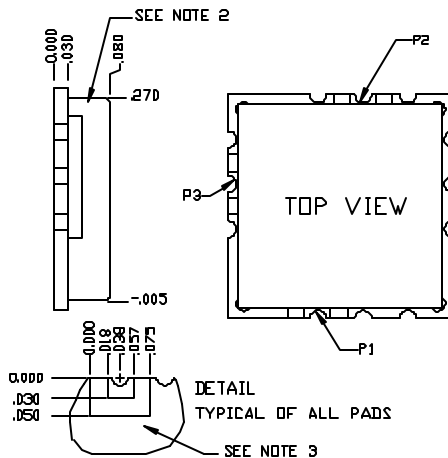
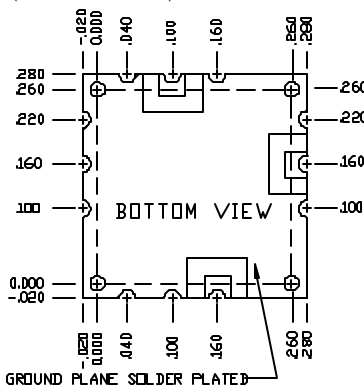


POWER CURVE, typ.



PHYSICAL DIMENSIONS

SUB-L
415-0040 REV. D
(DRAWING NOT TO SCALE)



NOTES:

1. THE INSIDE RADIUS OF ALL 12 HALF HOLES AT THE PERIMETER OF THE BOARD ARE SOLDER PLATED TO PROVIDE A SURFACE FOR THE ATTACHMENT OF THE VCO TO THE MOTHERBOARD.
2. THE SHIELD MATERIAL IS NICKEL SILVER AND MAY BE SOLDERED ALSO.
3. THE GROUND PLANE IS GROUND AND ATTACHES TO THE GROUND TRACK ON THE UPPER SIDE OF THE BOARD AS WELL AS THE SHIELD BY PTH.

TOLERANCES UNLESS OTHERWISE NOTED
.XXX ± .010

P1= VT
P2= RF OUT
P3= Vcc