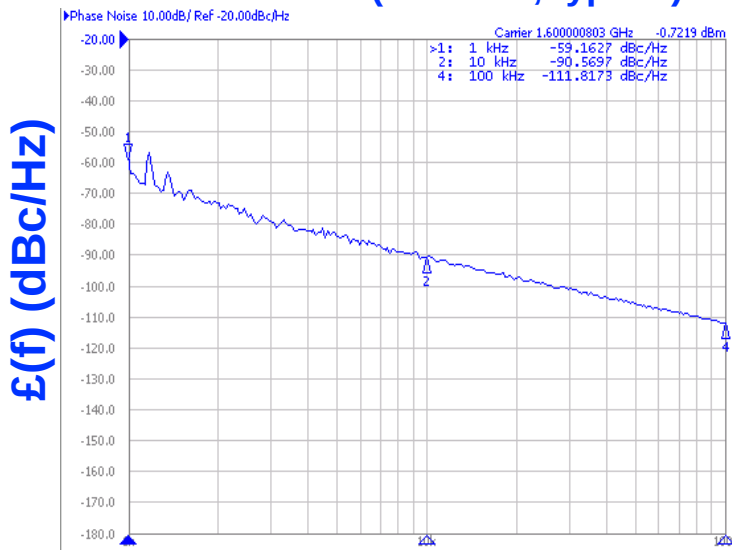


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1590 - 1610 MHz
- Tuning Voltage: 0.5-2.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- PCS Handhelds
- Portable Receivers
- Mobile Radios

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	1590 - 1610	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-91	dBc/Hz
Harmonic Suppression (2nd, typ.)	-5	dBc
Tuning Voltage	0.5-2.5	Vdc
Tuning Sensitivity (avg.)	125	MHz/V
Power Output	4±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<7	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<10	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	SUB-L	

POWER SUPPLY REQUIREMENTS

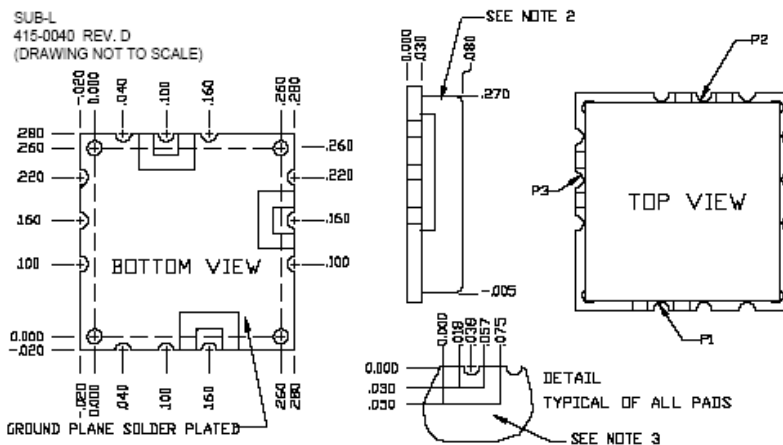
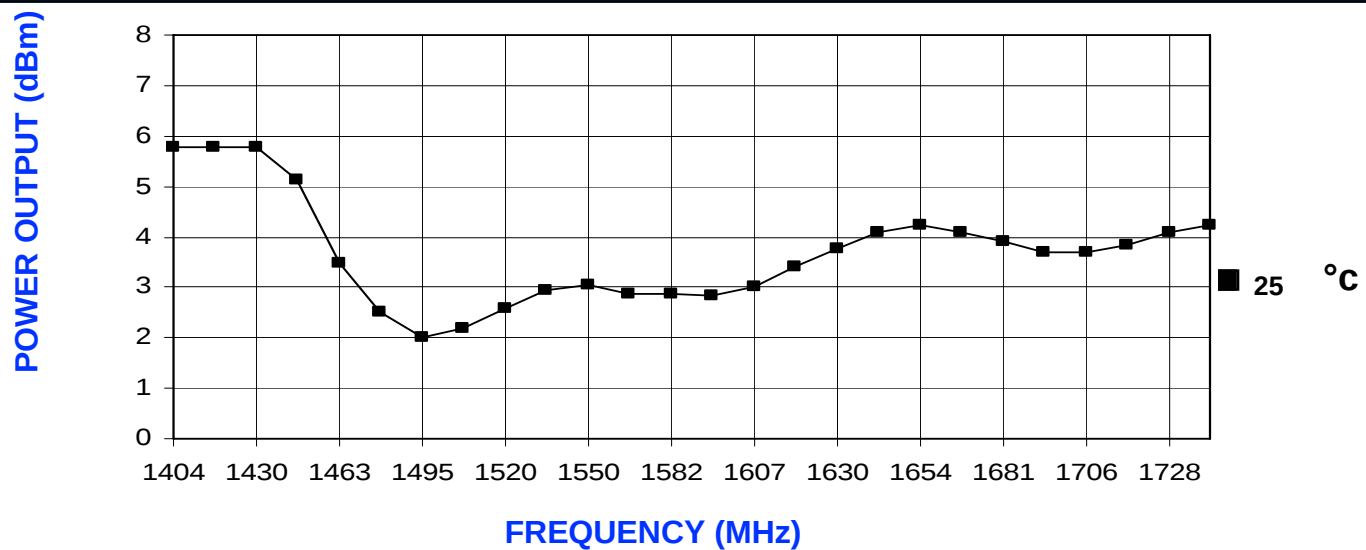
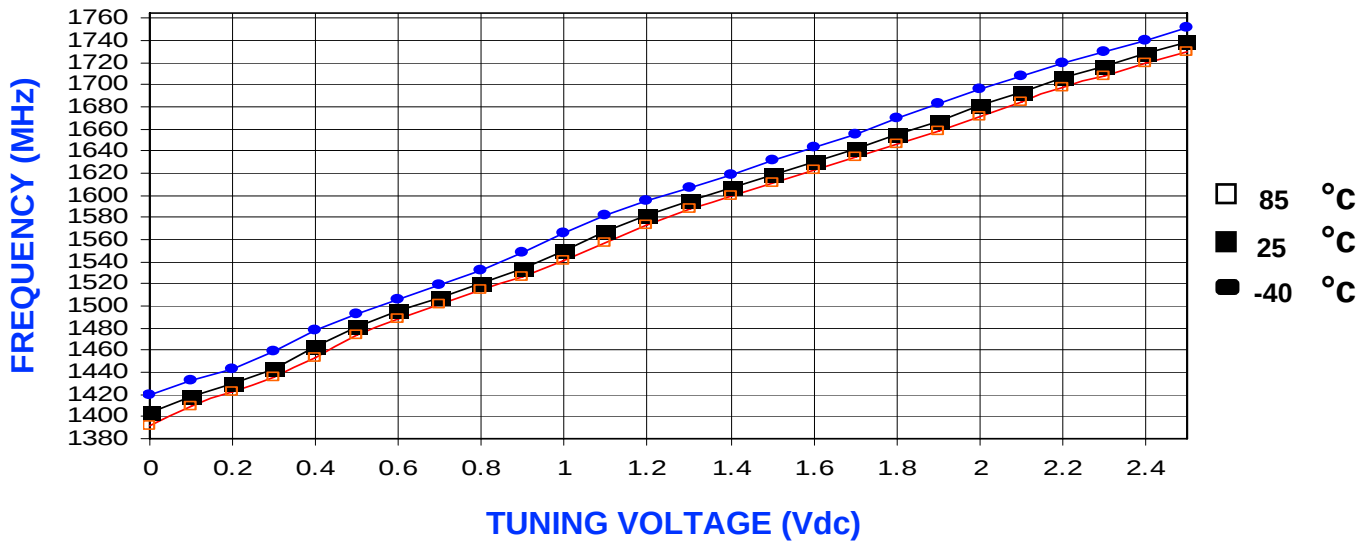
Supply Voltage (Vcc, nom.)	3	Vdc
Supply Current (Icc, typ.)	10	mA

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:



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 VCD 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.

P1= VT
P2= RF OUT
P3= VCC