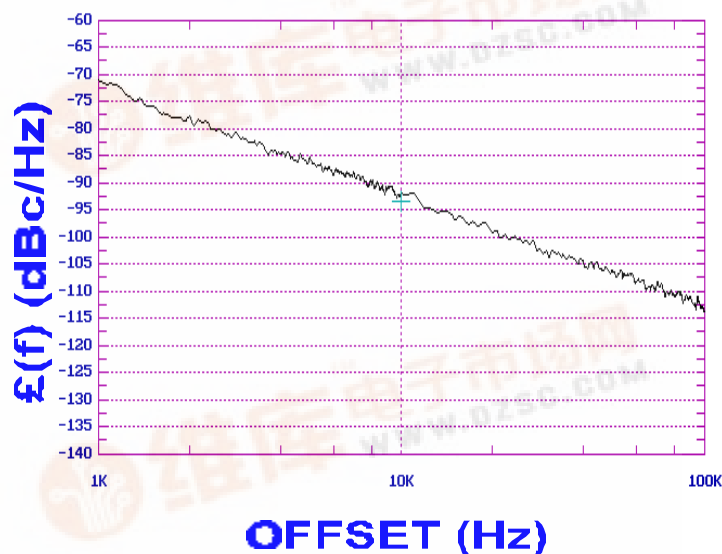


PHASE NOISE (1 Hz BW, typical)



FEATURES
- Frequency Range: 2190 - 2330 MHz - Tuning Voltage: 0.5-4.5 Vdc - MINI-14H - Style Package
APPLICATIONS
- WLAN - Digital Radios - Earthstations

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	2190 - 2330	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-91	dBc/Hz
Harmonic Suppression (2nd, typ.)	-20	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	80	MHz/V
Power Output	4±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<5	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<15	MHz
Operating Temperature Range	-30 to 85	°C
Package Style	MINI-14H	

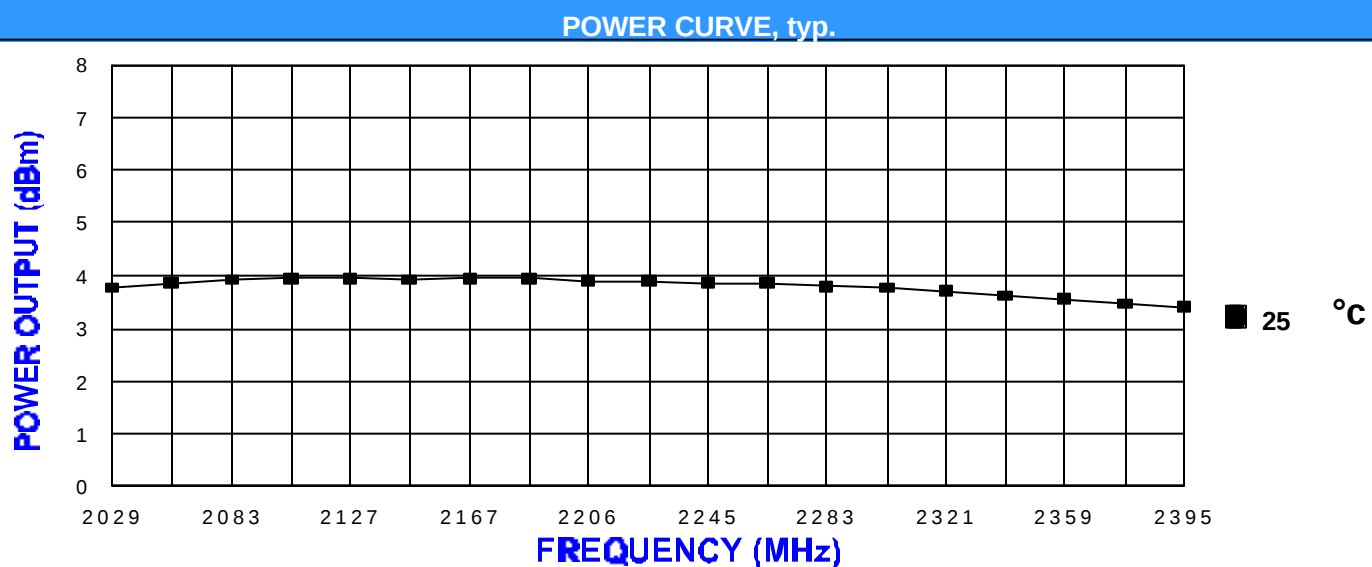
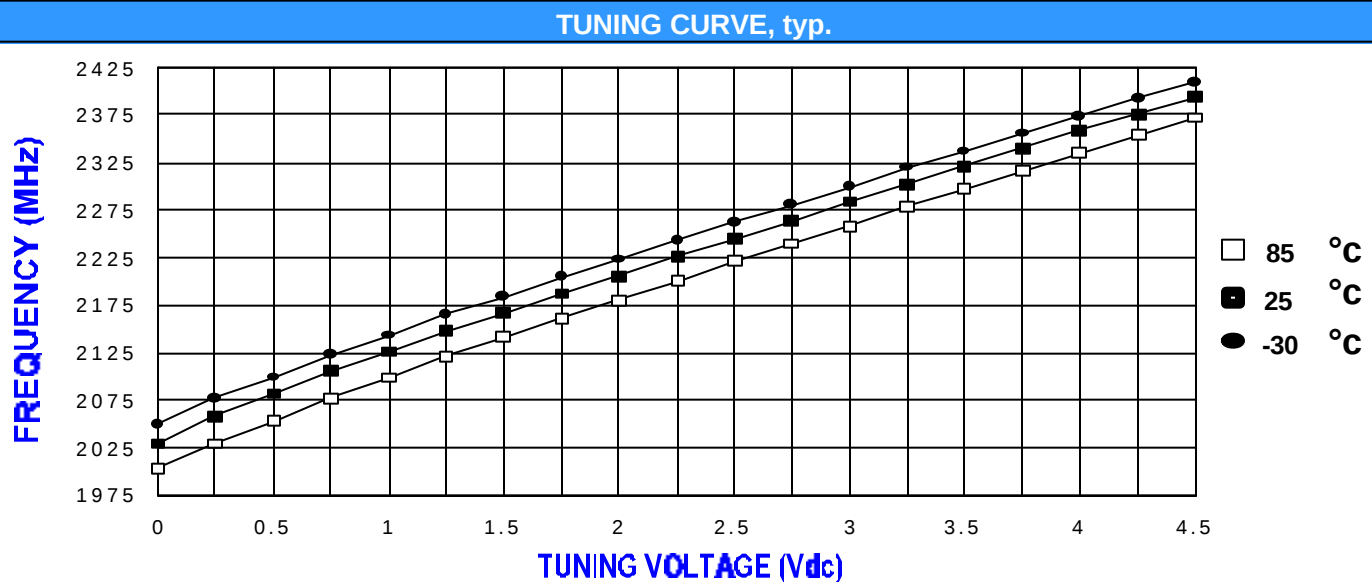
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	4.5	Vdc
Supply Current (Icc, typ.)	15	mA

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

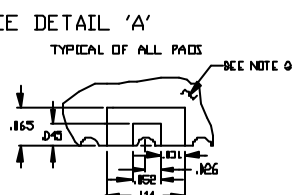
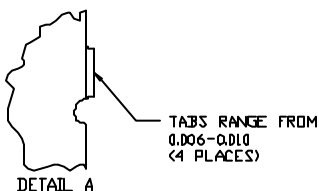
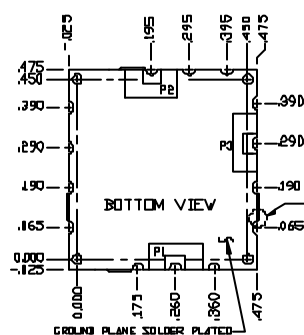
APPLICATION NOTES
- AN-100/1 : Mounting and Grounding of VCOs - AN-102 : Proper Output Loading of VCOs - AN-107 : How to Solder Z-COMM VCOs

NOTES:





MINE-14H
415-0060 REV.B
(DRAWING NOT TO SCALE)



- NOTES:
1. THE INSIDE RADIUS OF ALL 14 HALF HOLES AT THE PERIMETER OF THE BOARD ARE SOLDER PLATED TO PROVIDE A SURFACE FOR ATTACHMENT AS THE VCU TO A PAD. THERE ARE 14 LOCATIONS WITH 2 PADS EACH, USED FOR ELECTRICAL MECHANICAL INTERFACE. 14 SOLDER LOCATIONS REQUIRED.
 2. THE SURFACE OF THE SHIELD IS TIN PLATED TO BE SOLDERED TO.
 3. THE SHIELD'S BASE METAL IS BRASS.
 4. THE GROUND PLANE IS GROUND AND ATTACHES TO A GROUND TRACK ON THE UPPER SIDE OF THE BOARD AND WILL AS THE SHIELD BE 4 IN.
 5. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES.
 6. UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS FOLLOWS:
TOLERANCES
XXX= ± .010
- P1=VT
P2=RF OUT
P3=VFC

