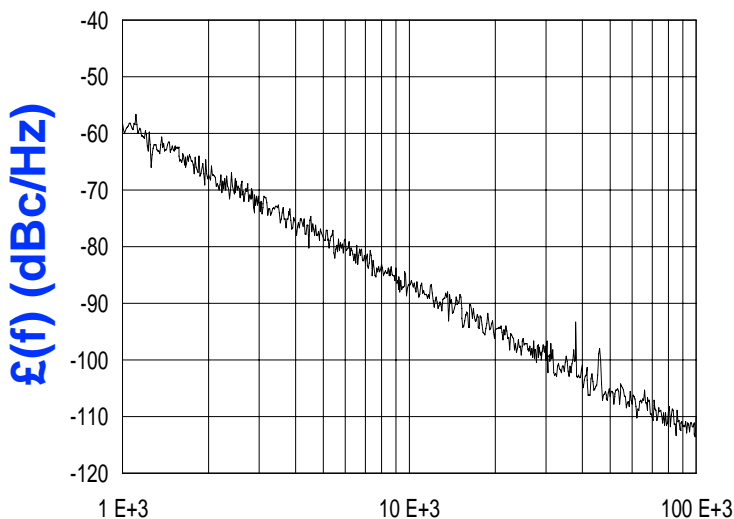




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 3100 - 3600 MHz
- Tuning Voltage: 0.25-4.75 Vdc
- MINI-14S - Style Package

APPLICATIONS

- Direct Broadcast
- Satellite Up/Down Conversion
- Microwave Links

PERFORMANCE SPECIFICATIONS

| | VALUE | UNITS |
|---|-------------|--------|
| Oscillation Frequency Range | 3100 - 3600 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -85 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -15 | dBc |
| Tuning Voltage | 0.25-4.75 | Vdc |
| Tuning Sensitivity (avg.) | 180 | MHz/V |
| Power Output | 6.5±3.5 | dBm |
| Load Impedance | 50 | Ω |
| Input Capacitance (max.) | 50 | pF |
| Pushing | <14 | MHz/V |
| Pulling (14dB Return Loss, Any Phase) | <9.5 | MHz |
| Operating Temperature Range | -40 to 85 | °C |
| Package Style | MINI-14S | |

POWER SUPPLY REQUIREMENTS

| | | |
|----------------------------|----|-----|
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 20 | mA |

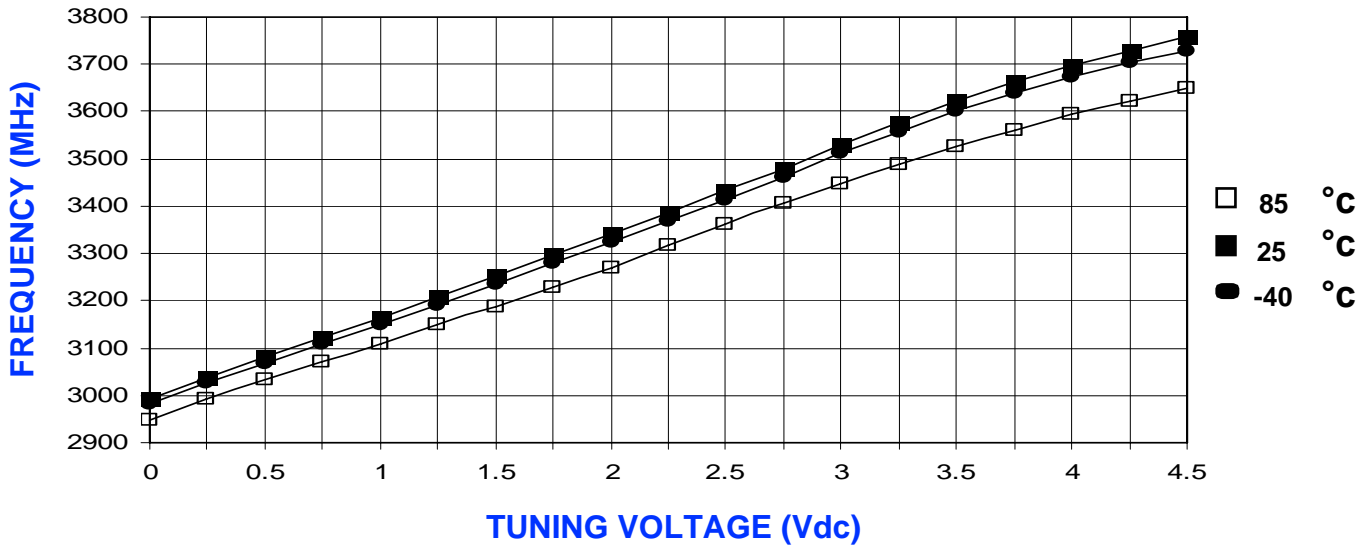
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

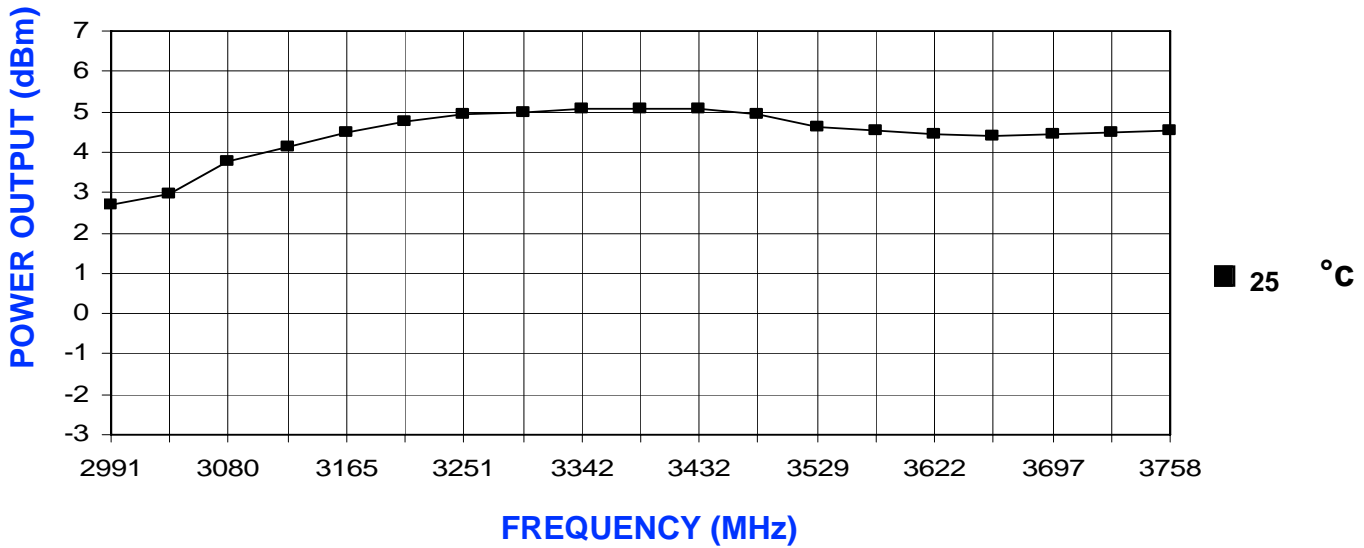
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

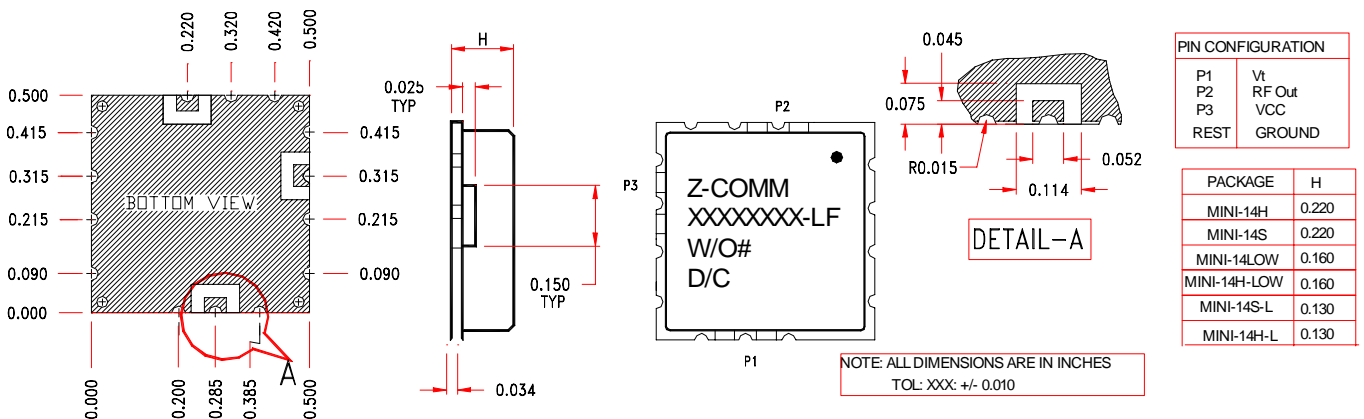
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS



| | |
|------|--------|
| P1 | Vt |
| P2 | RF Out |
| P3 | VCC |
| REST | GROUND |

| PACKAGE | H |
|--------------|-------|
| MINI-14H | 0.220 |
| MINI-14S | 0.220 |
| MINI-14LOW | 0.160 |
| MINI-14H-LOW | 0.160 |
| MINI-14S-L | 0.130 |
| MINI-14H-L | 0.130 |