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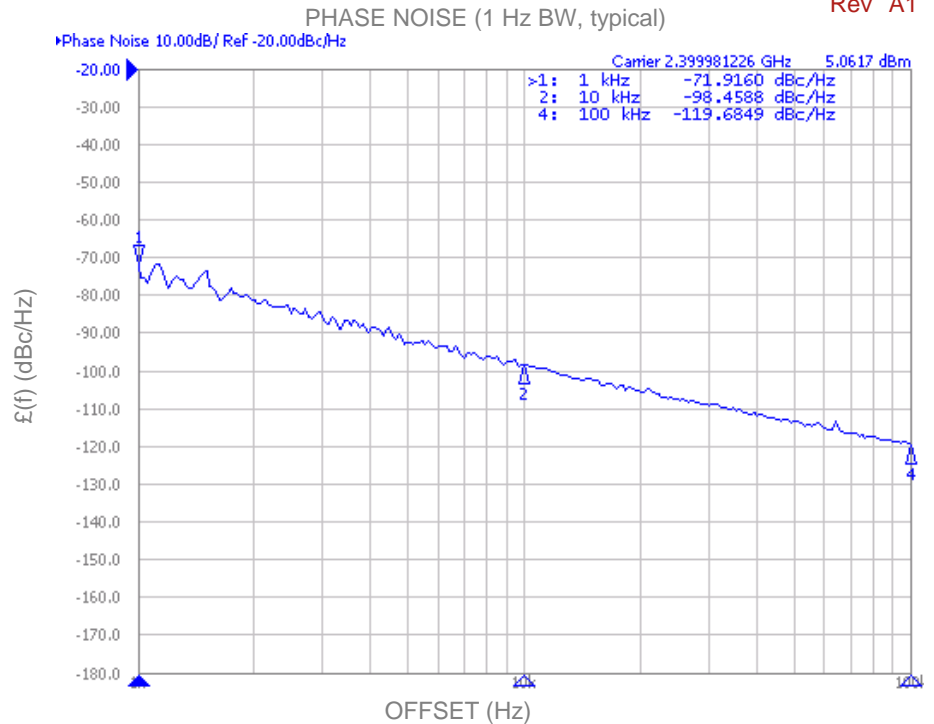
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Earthstations
- PCN Basestations
- Satellite Modems

### Application Notes

- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering

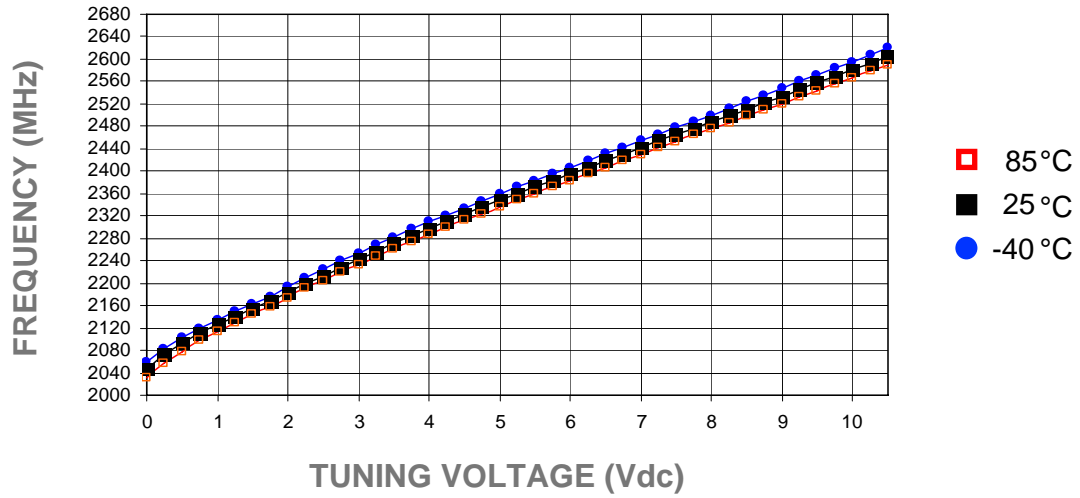


| Performance Specifications             | Min  | Typ      | Max  | Units              |
|--|------|----------|------|--------------------|
| Oscillation Frequency Range            | 2300 |          | 2500 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -97      |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -16      | -13  | dBc                |
| Tuning Voltage                         | 1.5  |          | 10.5 | Vdc                |
| Tuning Sensitivity (avg.)              |      | 47       |      | MHz/V              |
| Power Output                           | 7    | 10       | 13   | dBm                |
| Load Impedance                         |      | 50       |      | $\Omega$           |
| Input Capacitance                      |      |          | 50   | pF                 |
| Pushing                                |      |          | 3    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |          | 30   | MHz                |
| Operating Temperature Range            | -40  |          | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-14H |      |                    |

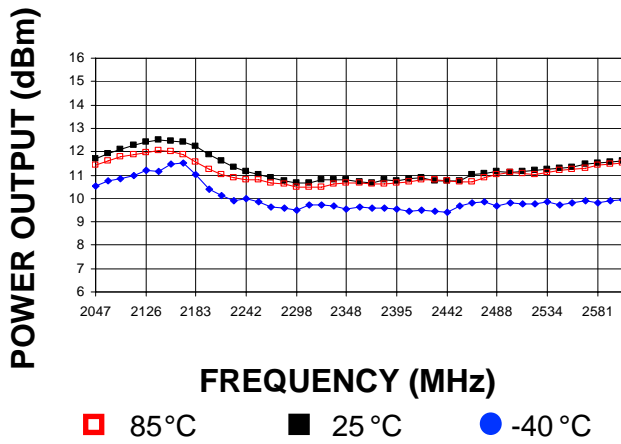
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 10  |     | Vdc   |
| Supply Current (Icc)       |     | 16  | 21  | mA    |

### Additional Notes

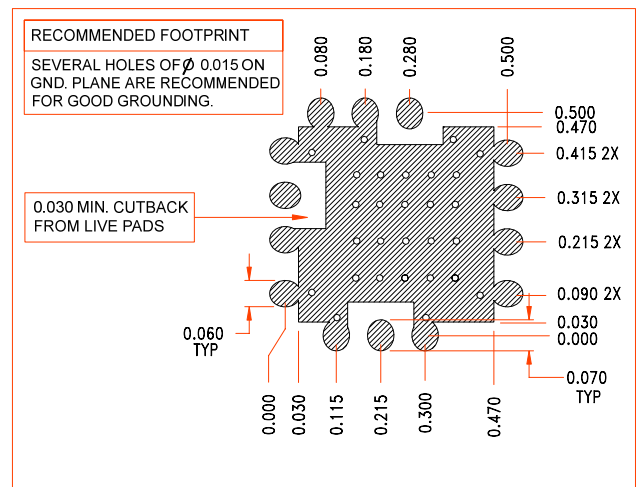
Tuning Curve, typ.



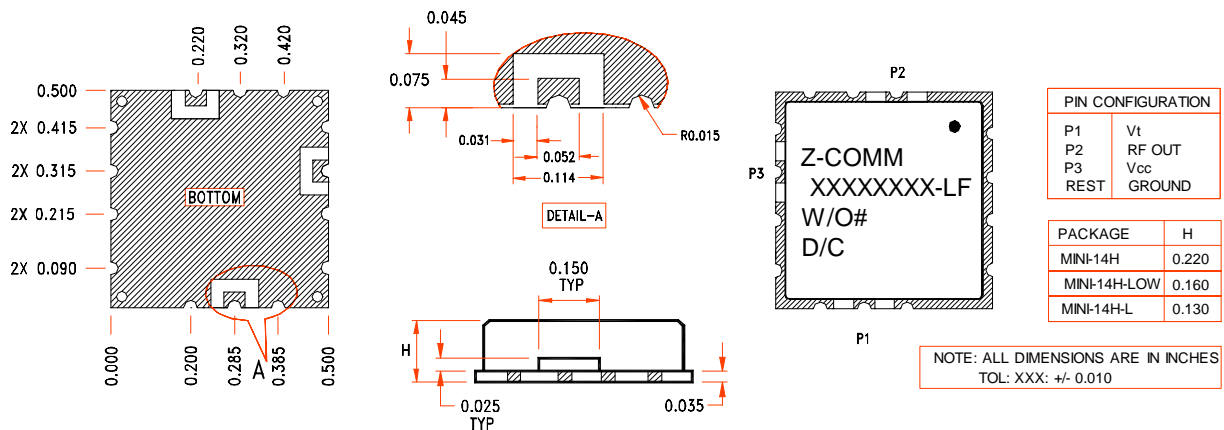
Power Curve, typ.



Footprint



Physical Dimensions



LFSuffix = RoHS Compliant. All specifications are subject to change without notice.