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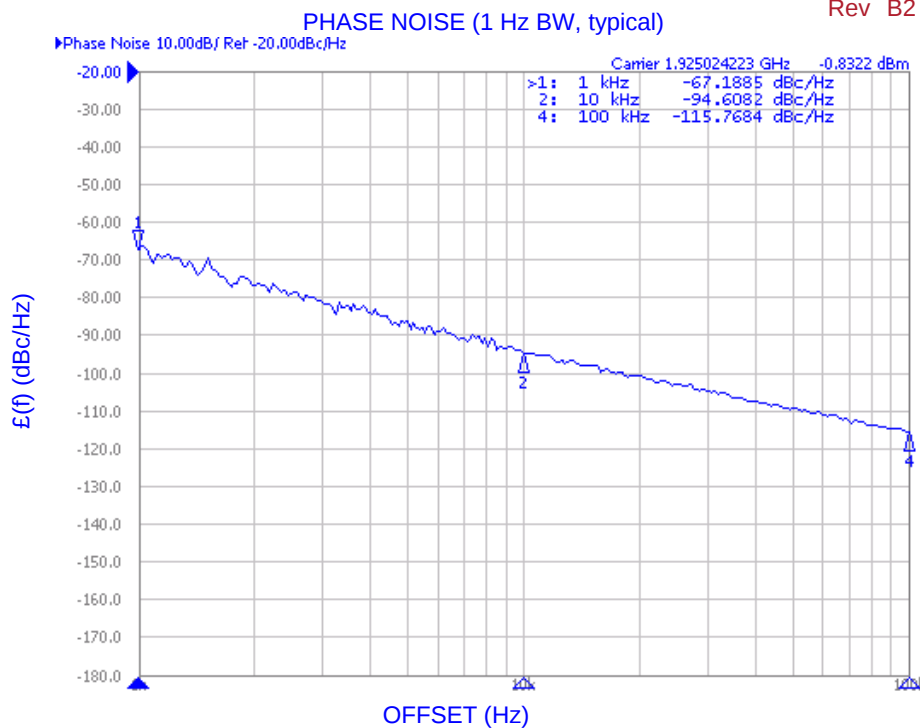
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Test Instrumentation
- CATV Headend Equipment
- Satellite Communication Systems

#### Application Notes

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



#### Performance Specifications

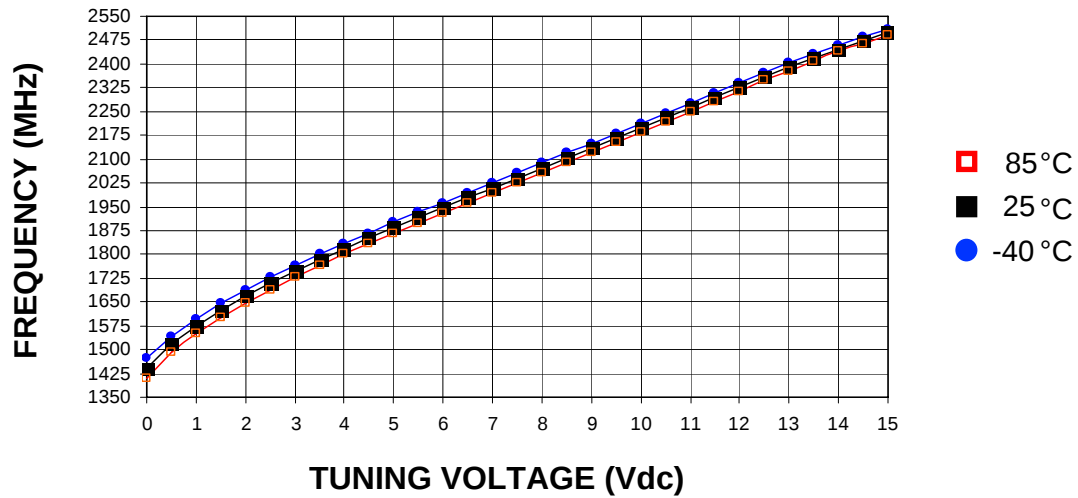
|                                        | Min  | Typ        | Max  | Units              |
|----------------------------------------|------|------------|------|--------------------|
| Oscillation Frequency Range            | 1500 |            | 2350 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -94        |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -15        | -13  | dBc                |
| Tuning Voltage                         | 0    |            | 15   | Vdc                |
| Tuning Sensitivity (avg.)              |      | 73         |      | MHz/V              |
| Power Output                           | 2    | 5          | 8    | dBm                |
| Load Impedance                         |      | 50         |      | $\Omega$           |
| Input Capacitance                      |      |            | 50   | pF                 |
| Pushing                                |      |            | 7    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |            | 6    | MHz                |
| Operating Temperature Range            | -40  |            | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-14S-L |      |                    |

#### Power Supply Requirements

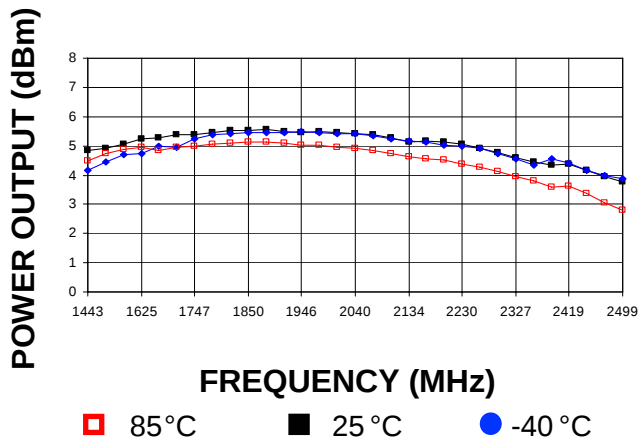
|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 17  | 21  | mA    |

#### Additional Notes

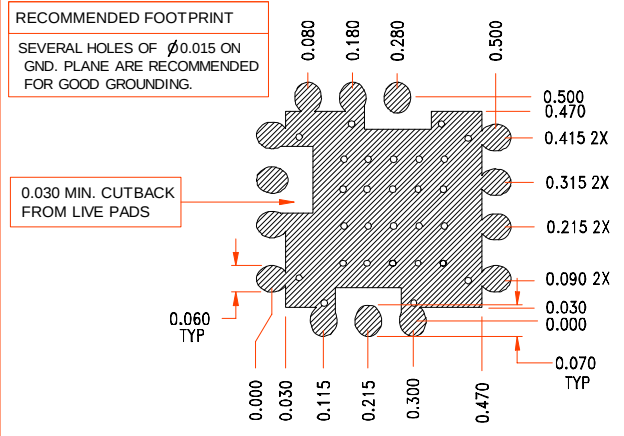
**Tuning Curve, typ.**



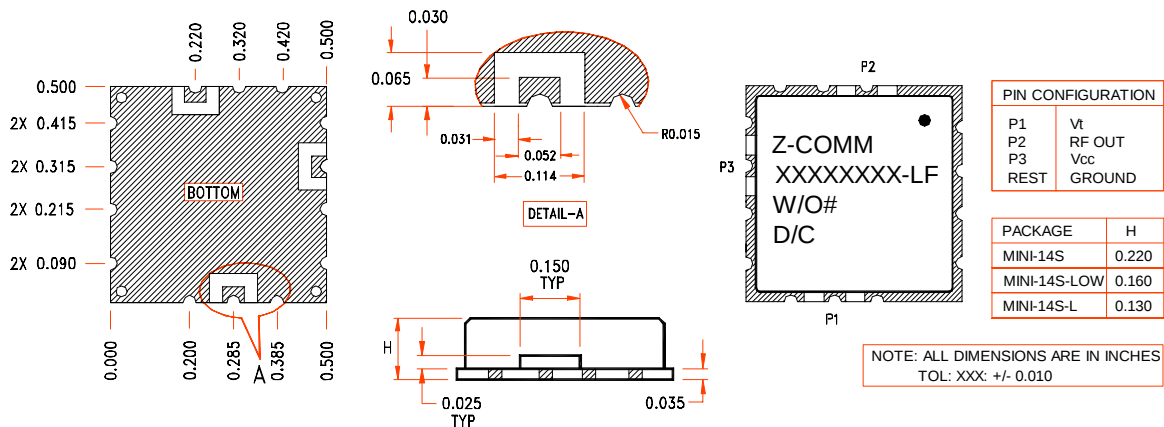
**Power Curve, typ.**



**Footprint**



**Physical Dimensions**



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