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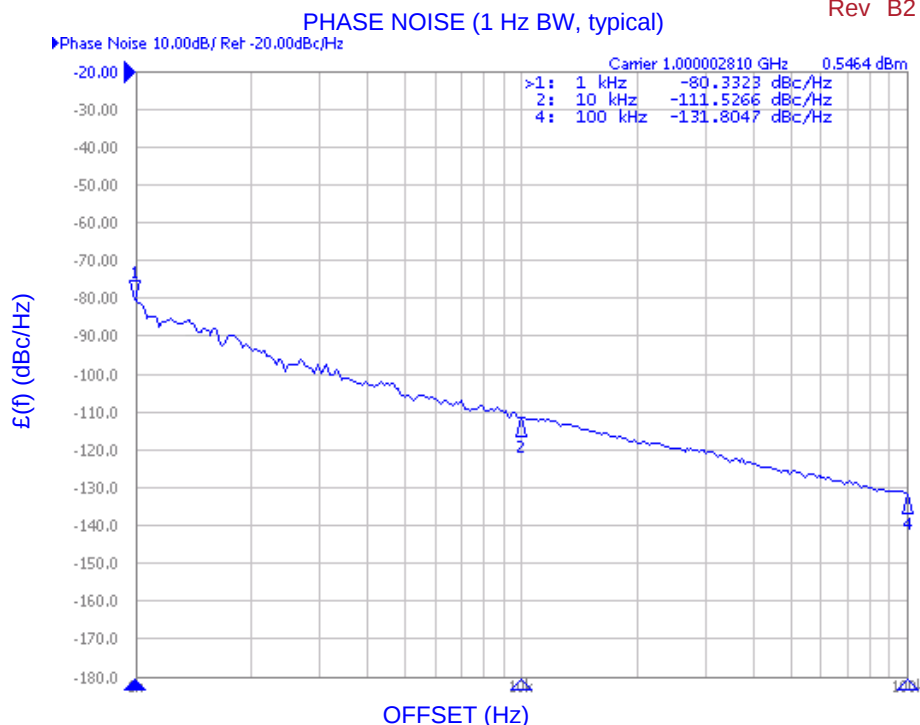
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Digital Radios
- Satellite Communications
- Basestations

#### Application Notes

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



#### Performance Specifications

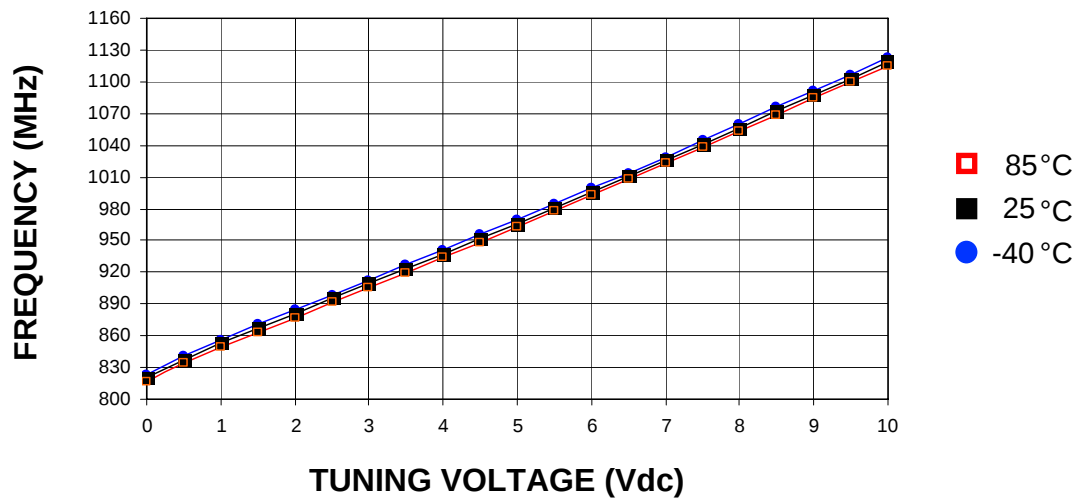
|                                        | Min | Typ      | Max  | Units              |
|----------------------------------------|-----|----------|------|--------------------|
| Oscillation Frequency Range            | 900 |          | 1100 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |     | -110     |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |     | -15      | -12  | dBc                |
| Tuning Voltage                         | 1   |          | 10   | Vdc                |
| Tuning Sensitivity (avg.)              |     | 31       |      | MHz/V              |
| Power Output                           | 2   | 5        | 8    | dBm                |
| Load Impedance                         |     | 50       |      | $\Omega$           |
| Input Capacitance                      |     |          | 100  | pF                 |
| Pushing                                |     |          | 2    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |     |          | 1    | MHz                |
| Operating Temperature Range            | -40 |          | 85   | $^{\circ}\text{C}$ |
| Package Style                          |     | MINI-14S |      |                    |

#### Power Supply Requirements

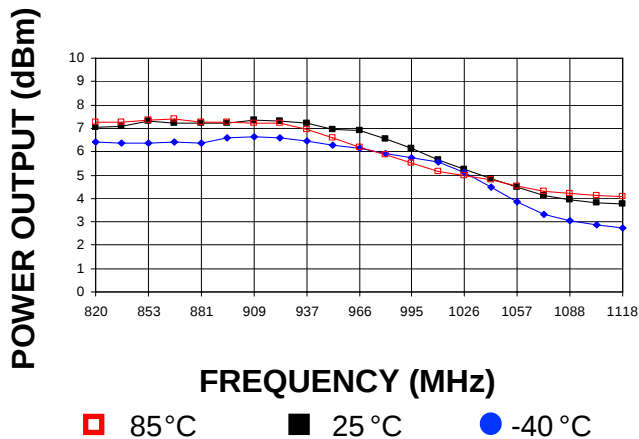
|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 26  | 32  | mA    |

#### Additional Notes

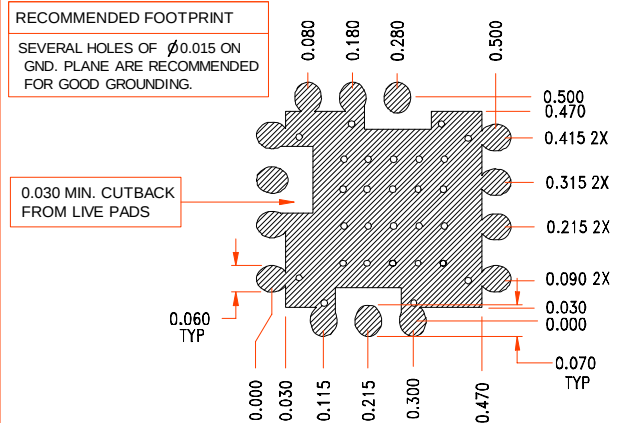
**Tuning Curve, typ.**



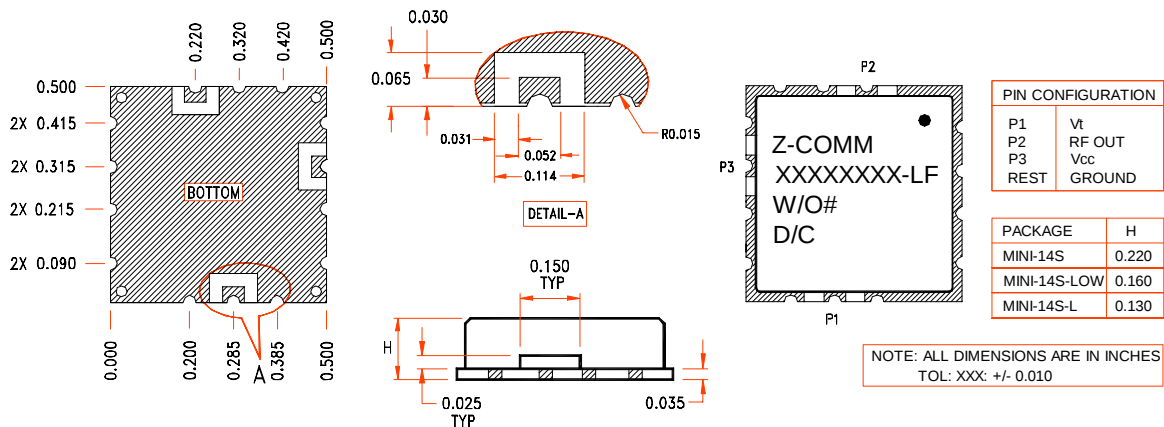
**Power Curve, typ.**



**Footprint**



**Physical Dimensions**



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