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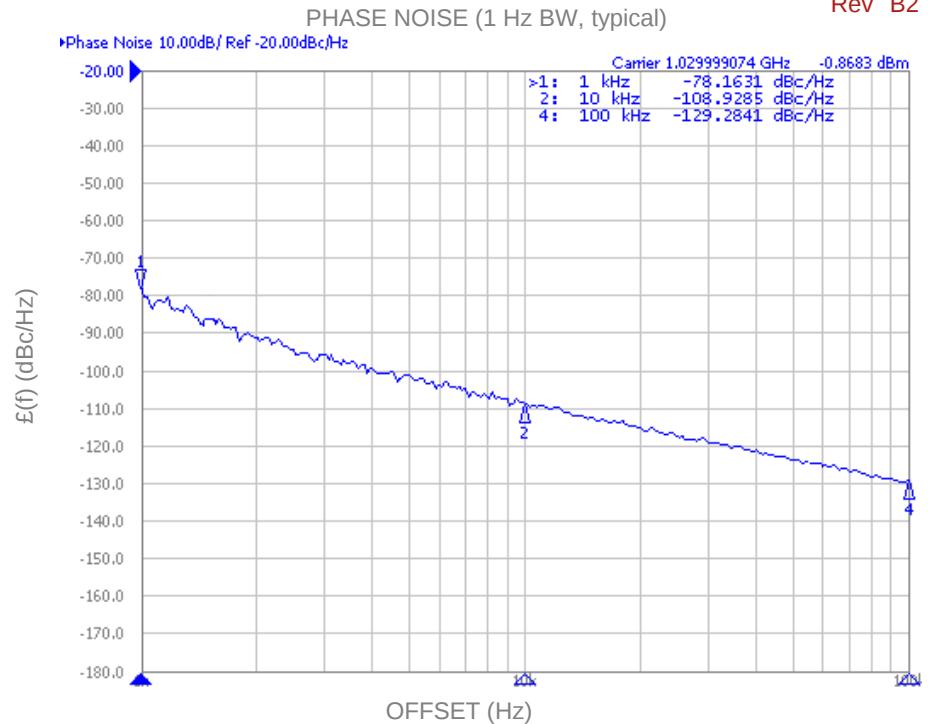
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Digital Radios
- Satellite Communications
- Basestations

### Application Notes

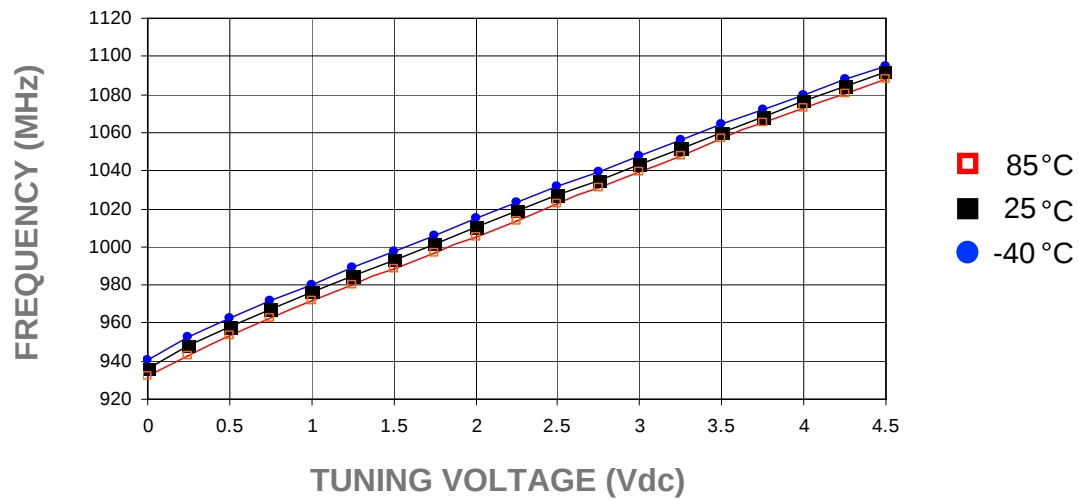
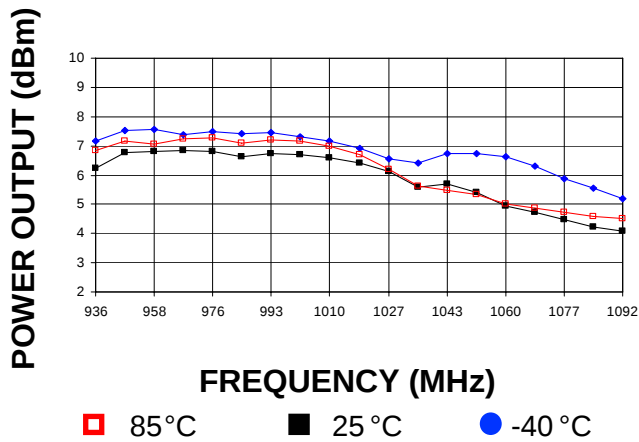
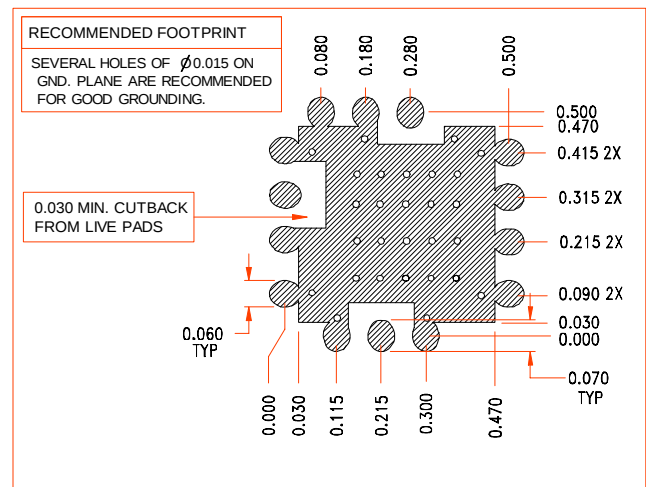
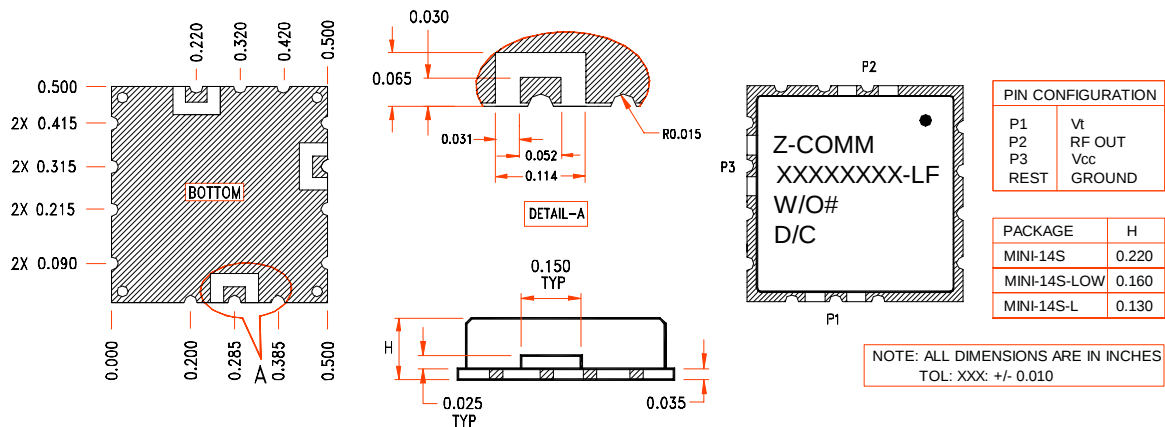
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



| Performance Specifications             | Min      | Typ  | Max  | Units              |
|----------------------------------------|----------|------|------|--------------------|
| Oscillation Frequency Range            | 990      |      | 1070 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |          | -106 |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |          | -15  | -12  | dBc                |
| Tuning Voltage                         | 1        |      | 4.5  | Vdc                |
| Tuning Sensitivity (avg.)              |          | 33   |      | MHz/V              |
| Power Output                           | 1        | 5.5  | 10   | dBm                |
| Load Impedance                         |          | 50   |      | $\Omega$           |
| Input Capacitance                      |          |      | 150  | pF                 |
| Pushing                                |          |      | 3    | MHz/V              |
| Pulling (12 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)       |     | 25  | 30  | mA    |

### Additional Notes

**Tuning Curve, typ.**

**Power Curve, typ.**

**Footprint**

**Physical Dimensions**


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