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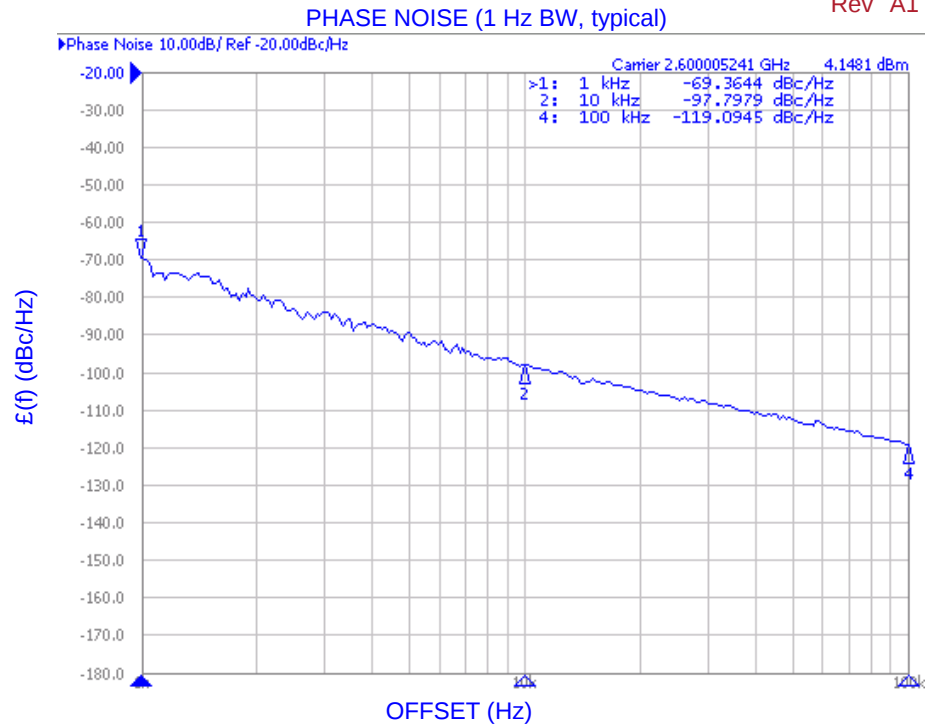
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Broadcast Communications
- Satellite Communications
- Earthstations

#### Application Notes

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



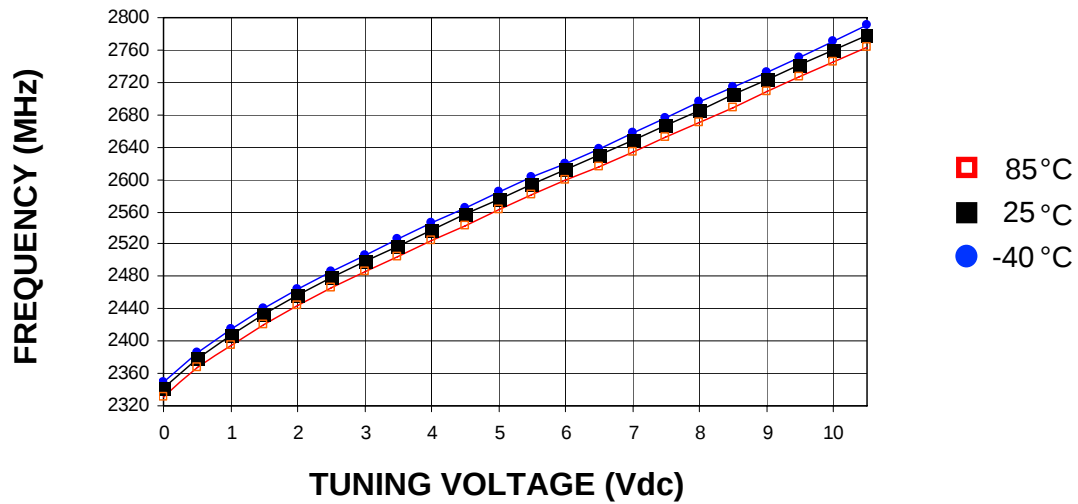
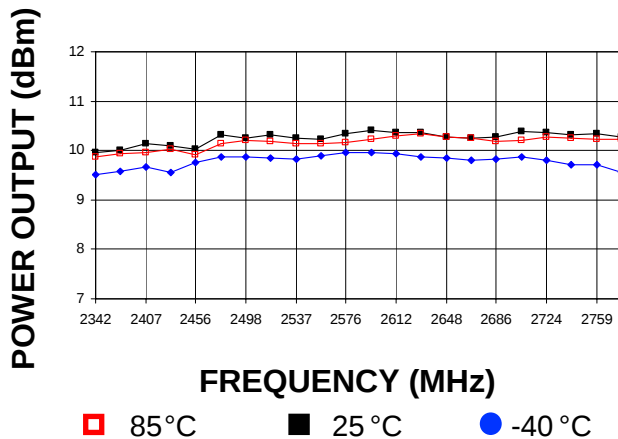
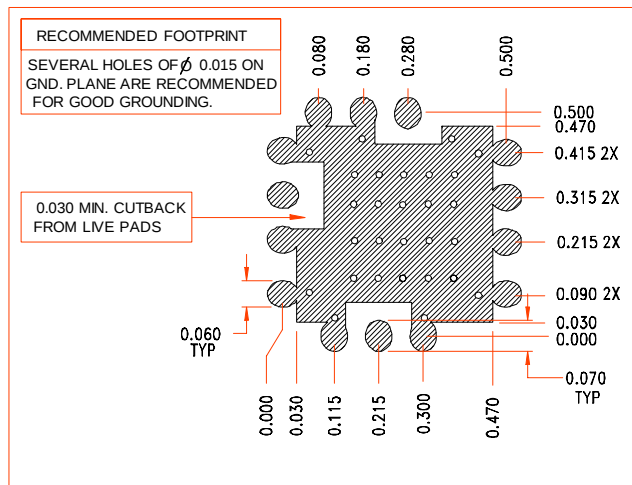
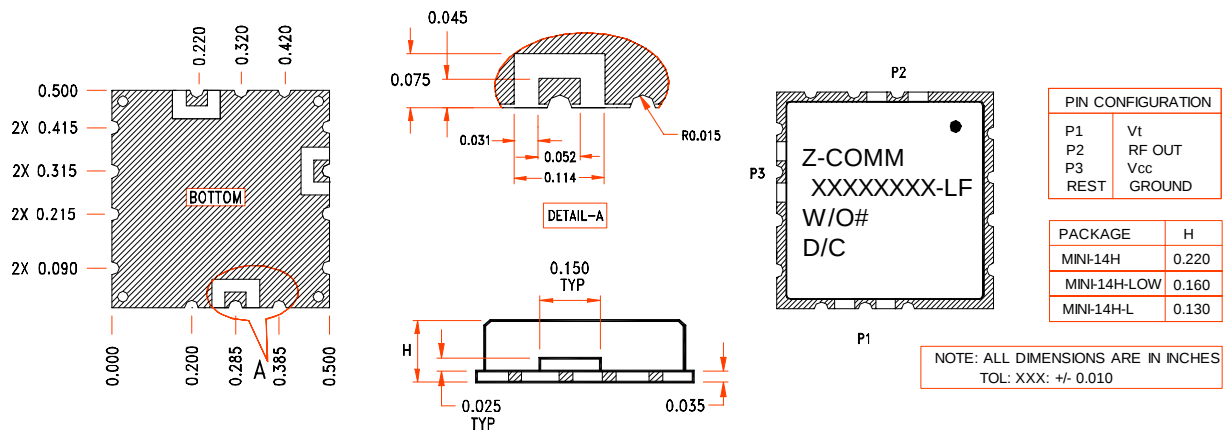
#### Performance Specifications

|                                        | Min  | Typ      | Max  | Units              |
|----------------------------------------|------|----------|------|--------------------|
| Oscillation Frequency Range            | 2500 |          | 2700 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -98      |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -20      |      | dBc                |
| Tuning Voltage                         | 1.5  |          | 10.5 | Vdc                |
| Tuning Sensitivity (avg.)              |      | 41       |      | MHz/V              |
| Power Output                           | 8    | 10       | 12   | dBm                |
| Load Impedance                         |      | 50       |      | $\Omega$           |
| Input Capacitance                      |      |          | 50   | pF                 |
| Pushing                                |      |          | 2    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |          | 18   | 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)       |     | 18  | 25  | mA    |

#### Additional Notes

**Tuning Curve, typ.**

**Power Curve, typ.**

**Footprint**

**Physical Dimensions**


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