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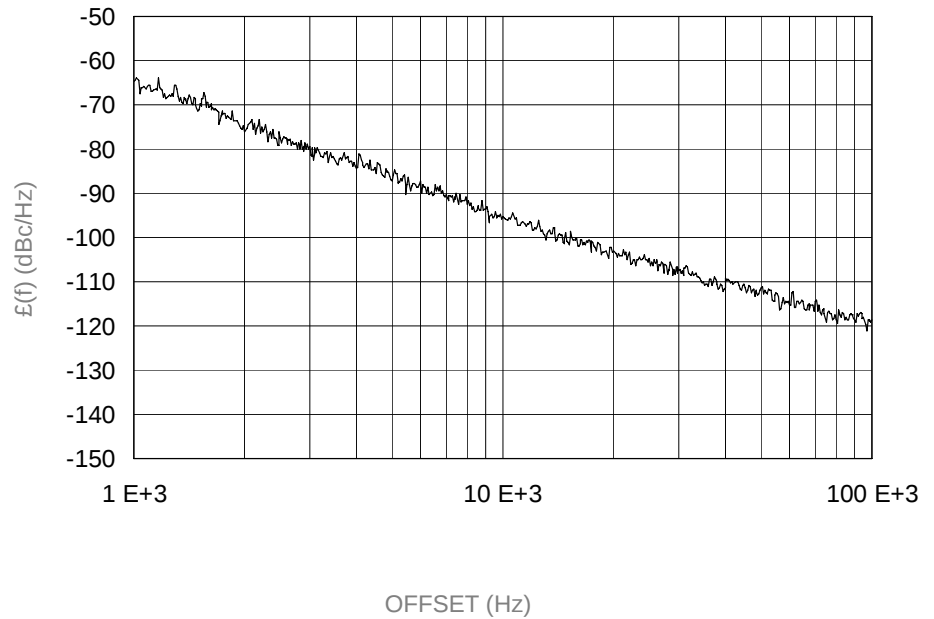
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Digital Radio
- Satellite Modems
- 

### Application Notes

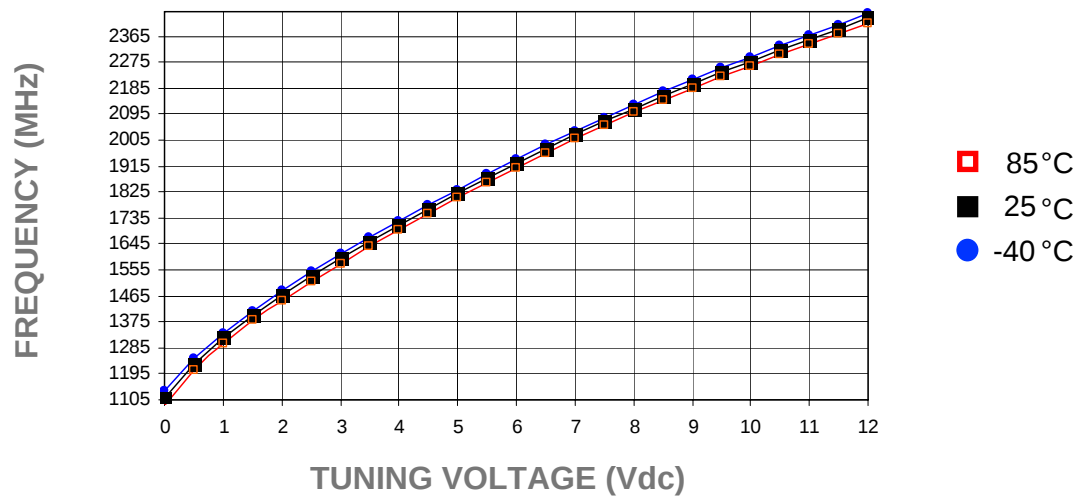
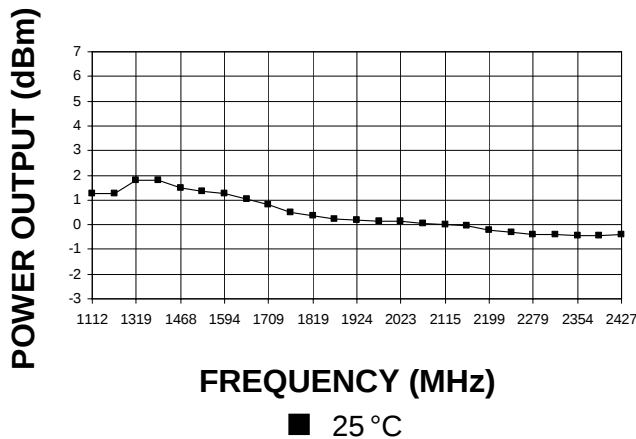
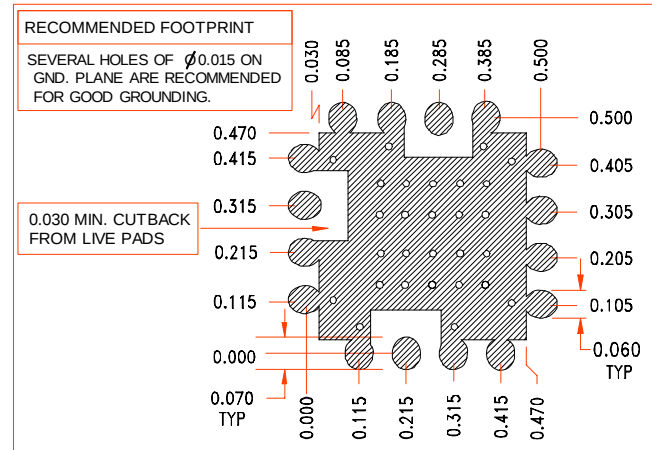
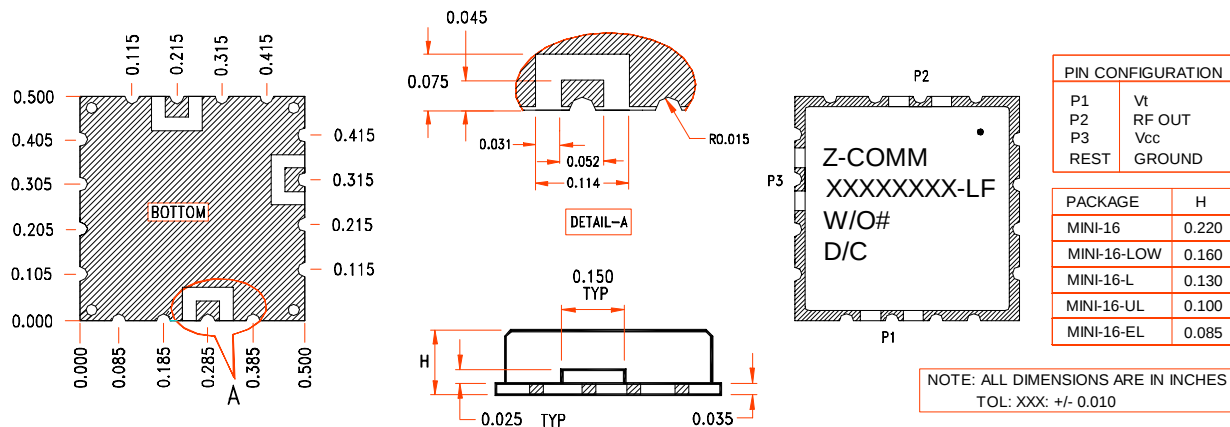
- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering



| Performance Specifications             | Min       | Typ   | Max  | Units              |
|----------------------------------------|-----------|-------|------|--------------------|
| Oscillation Frequency Range            | 1700      |       | 2350 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |           | -95   |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |           | -30   | -29  | dBc                |
| Tuning Voltage                         | 1         |       | 12   | Vdc                |
| Tuning Sensitivity (avg.)              |           | 95    |      | MHz/V              |
| Power Output                           | -4.5      | -0.75 | 3    | dBm                |
| Load Impedance                         |           | 50    |      | $\Omega$           |
| Input Capacitance                      |           |       | 50   | pF                 |
| Pushing                                |           |       | 3    | MHz/V              |
| Pulling (12 dB Return Loss, Any Phase) |           |       | 2    | MHz                |
| Operating Temperature Range            | -40       |       | 85   | $^{\circ}\text{C}$ |
| Package Style                          | MINI-16-L |       |      |                    |

| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 15  | 18  | mA    |

### Additional Notes

**Tuning Curve, typ.**

**Power Curve, typ.**

**Footprint**

**Physical Dimensions**


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