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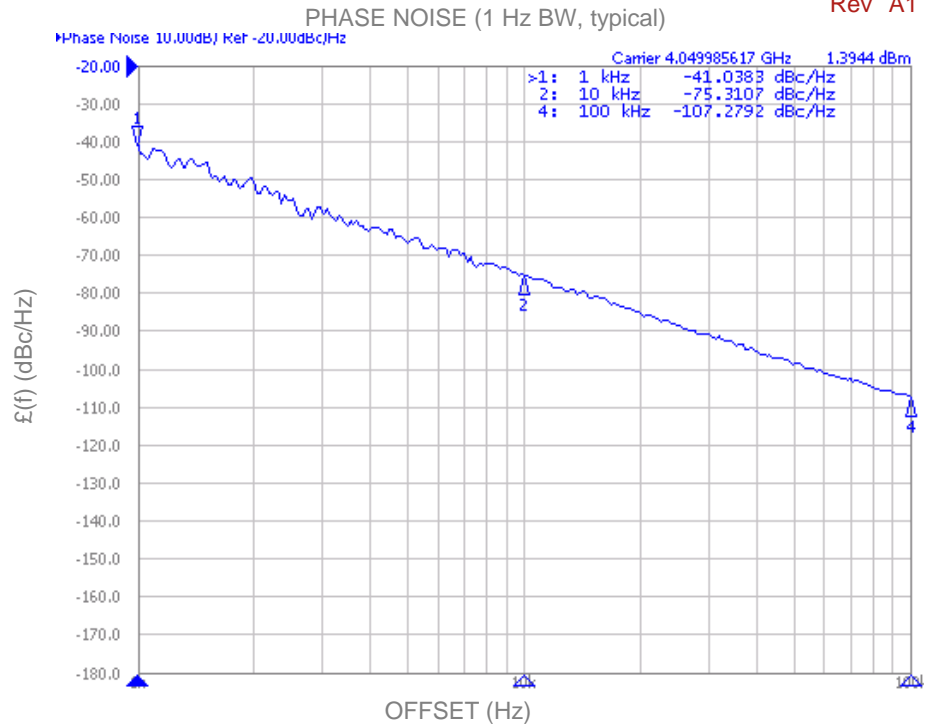
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Test Instrumentation
- CATV Headend Equipment
- Satellite Communication Systems

### Application Notes

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

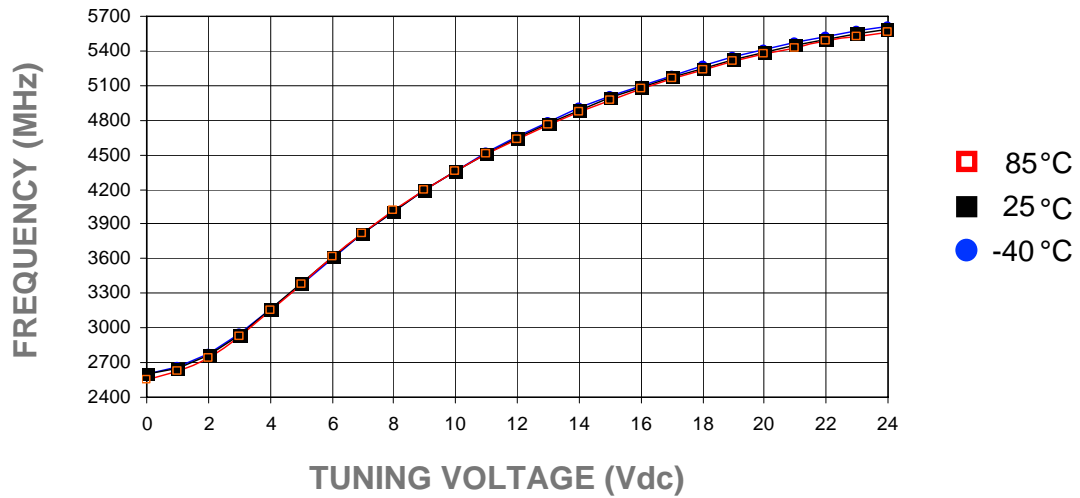


| Performance Specifications             | Min  | Typ         | Max  | Units              |
|--|------|-------------|------|--------------------|
| Oscillation Frequency Range            | 2700 |             | 5400 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -75         |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -20         | -17  | dBc                |
| Tuning Voltage                         | 0    |             | 24   | Vdc                |
| Tuning Sensitivity (avg.)              |      | 140         |      | MHz/V              |
| Power Output                           | 3    | 7           | 11   | dBm                |
| Load Impedance                         |      | 50          |      | $\Omega$           |
| Input Capacitance                      |      |             | 50   | pF                 |
| Pushing                                |      |             | 53   | MHz/V              |
| Pulling (12 dB Return Loss, Any Phase) |      |             | 18   | MHz                |
| Operating Temperature Range            | -40  |             | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-16-LOW |      |                    |

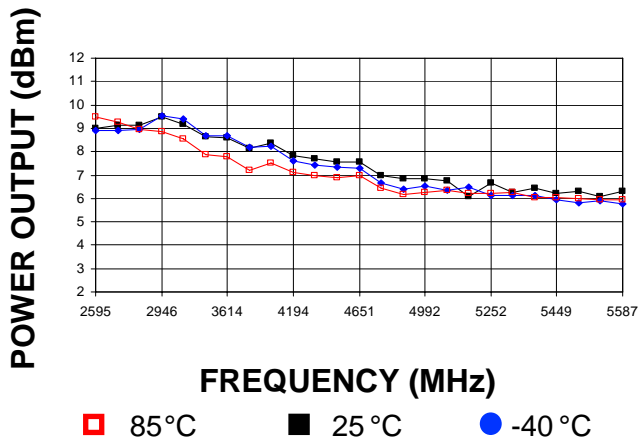
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 25  | 30  | mA    |

### Additional Notes

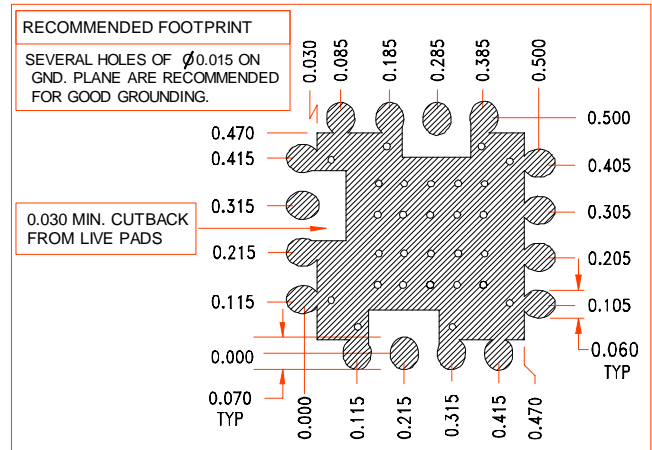
Tuning Curve, typ.



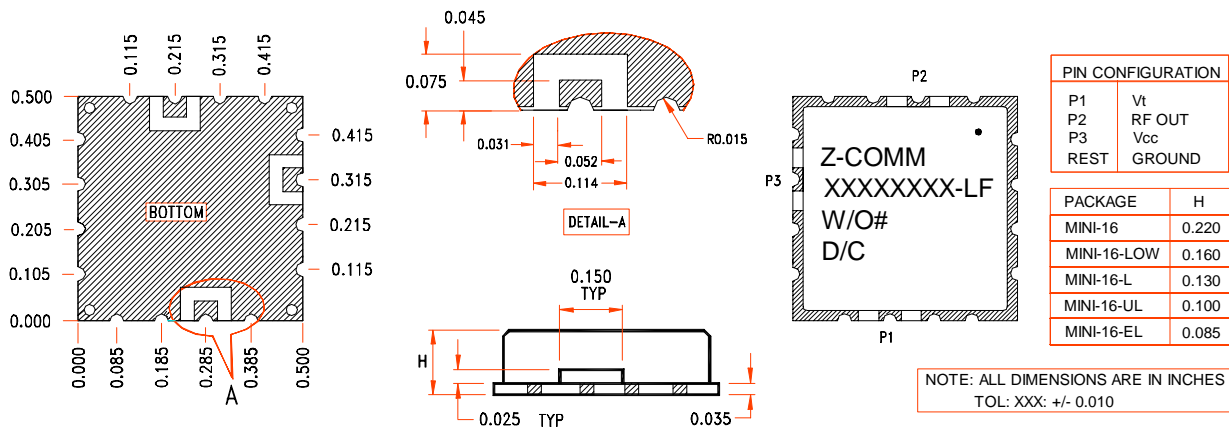
Power Curve, typ.



Footprint



Physical Dimensions



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