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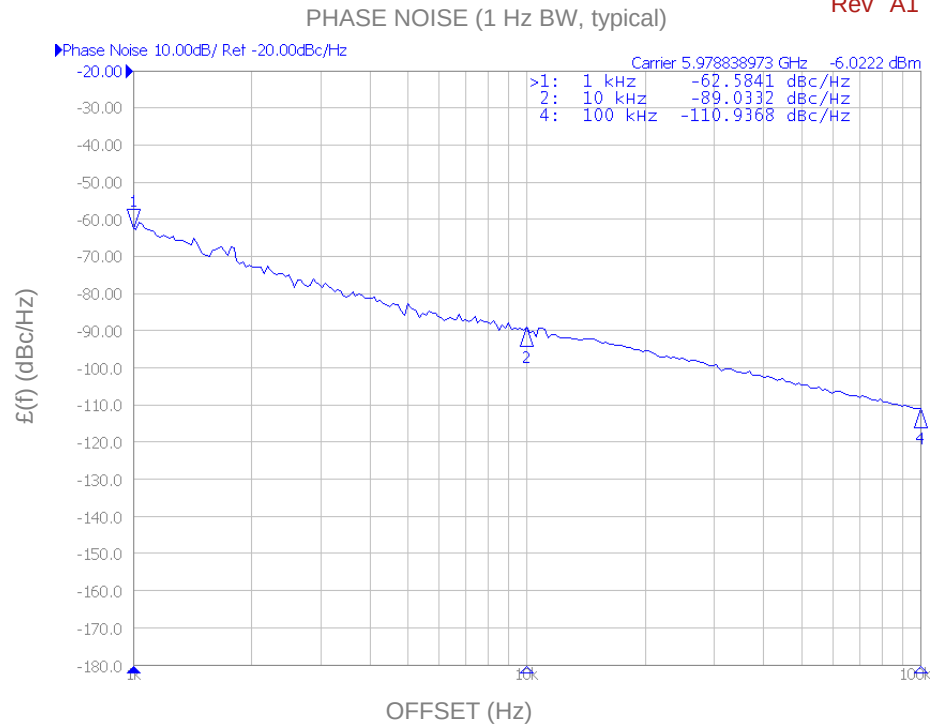
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Microwave Radios
- Satellite Communications
- Direct Broadcast

### Application Notes

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

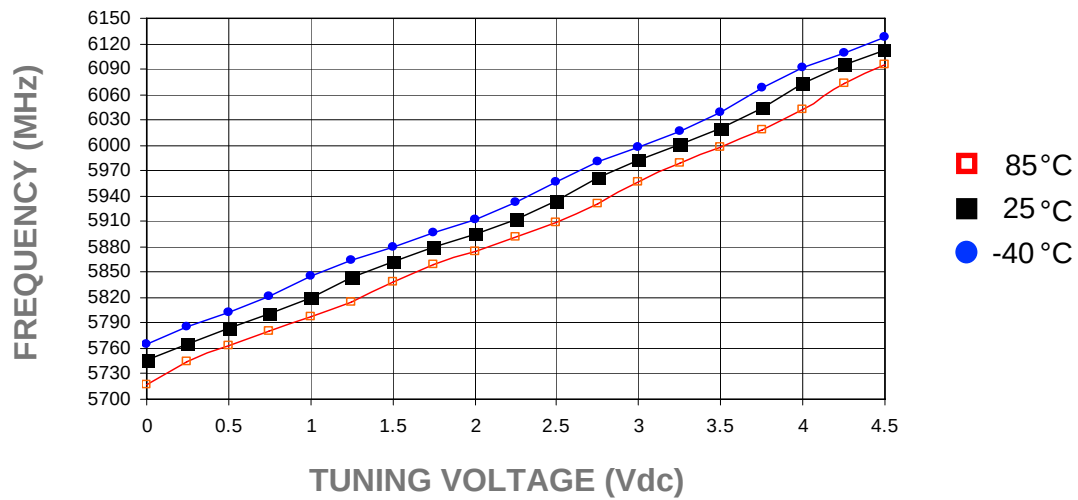


| Performance Specifications             | Min      | Typ | Max  | Units              |
|----------------------------------------|----------|-----|------|--------------------|
| Oscillation Frequency Range            | 5840     |     | 6040 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |          | -85 |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |          | -15 | -12  | dBc                |
| Tuning Voltage                         | 0.5      |     | 4.5  | Vdc                |
| Tuning Sensitivity (avg.)              |          | 85  |      | MHz/V              |
| Power Output                           | -3       | .5  | 4    | dBm                |
| Load Impedance                         |          | 50  |      | $\Omega$           |
| Input Capacitance                      |          |     | 50   | pF                 |
| Pushing                                |          |     | 10   | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |          |     | 8    | MHz                |
| Operating Temperature Range            | -40      |     | 85   | $^{\circ}\text{C}$ |
| Package Style                          | MINI-14S |     |      |                    |

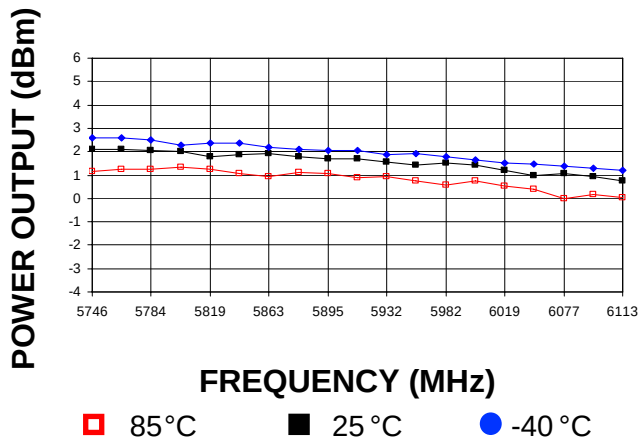
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 28  | 34  | mA    |

### Additional Notes

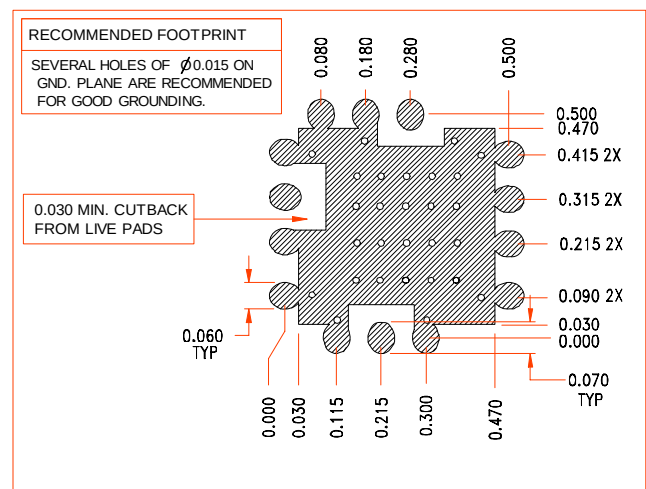
Tuning Curve, typ.



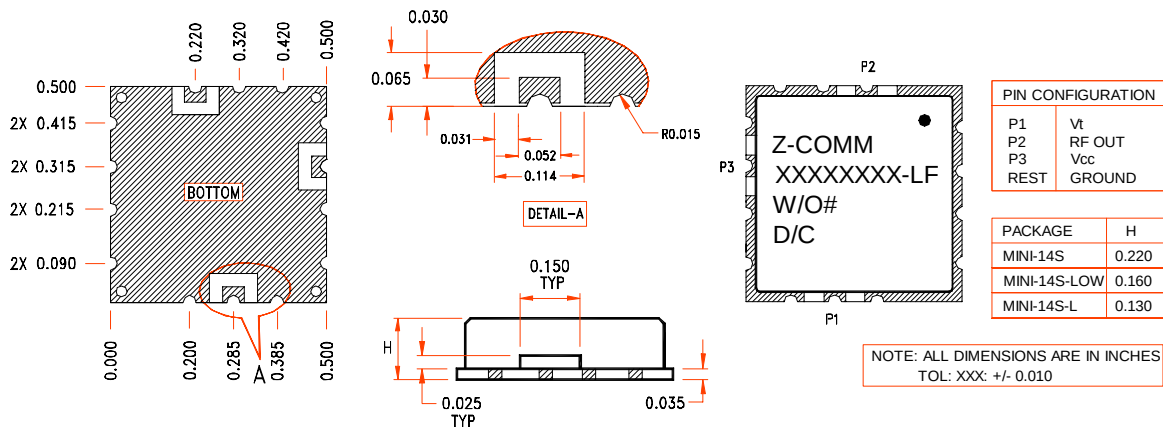
Power Curve, typ.



Footprint



Physical Dimensions



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