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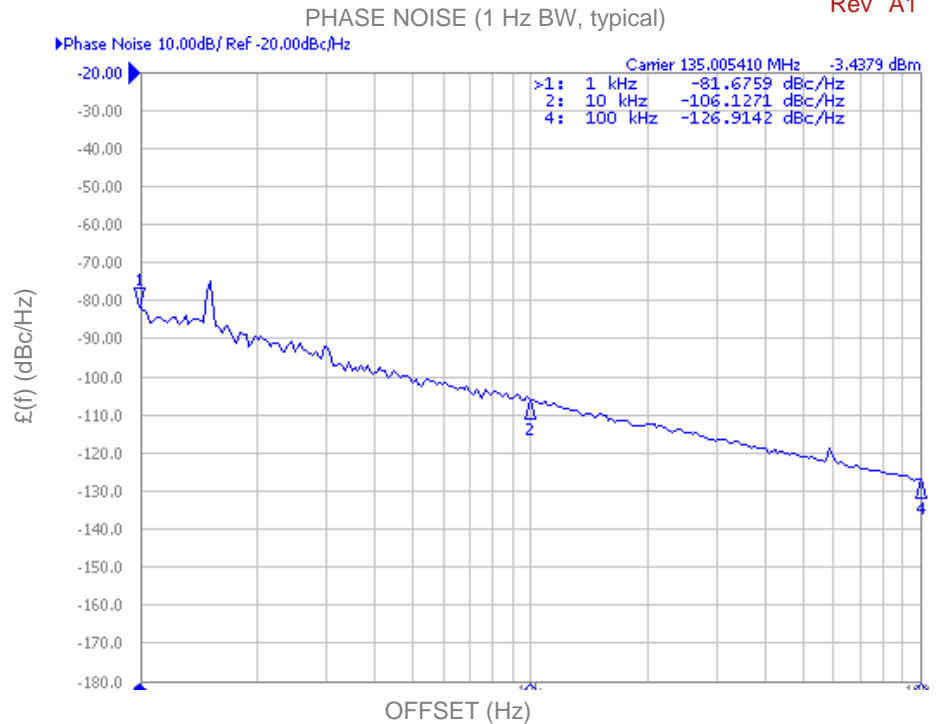
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Test Equipment
- Satellite Terminals
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### Application Notes

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

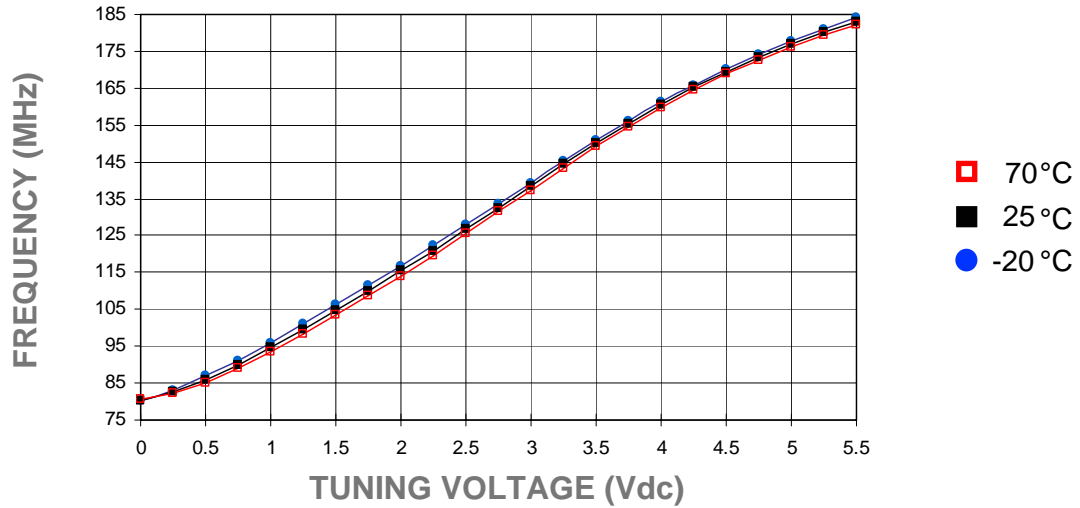


| Performance Specifications             | Min         | Typ  | Max  | Units              |
|--|-------------|------|------|--------------------|
| Oscillation Frequency Range            | 105         |      | 165  | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |             | -108 |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |             | -10  | -7   | dBc                |
| Tuning Voltage                         | 1           |      | 5.5  | Vdc                |
| Tuning Sensitivity (avg.)              |             | 22   |      | MHz/V              |
| Power Output                           | -3          | 0    | 3    | dBm                |
| Load Impedance                         |             | 50   |      | $\Omega$           |
| Input Capacitance                      |             |      | 1300 | pF                 |
| Pushing                                |             |      | 2    | MHz/V              |
| Pulling (12 dB Return Loss, Any Phase) |             |      | 1    | MHz                |
| Operating Temperature Range            | -20         |      | 70   | $^{\circ}\text{C}$ |
| Package Style                          | MINI-14S-UL |      |      |                    |

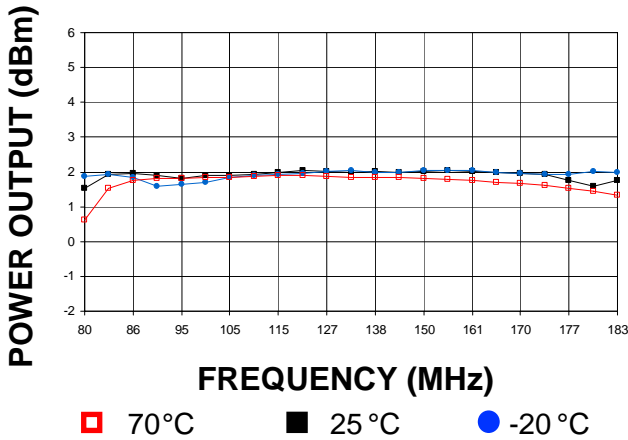
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 20  | 25  | mA    |

### Additional Notes

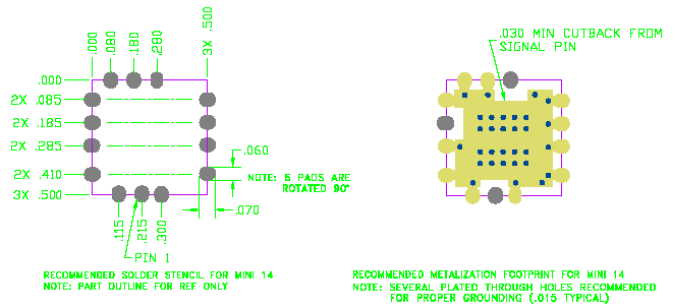
Tuning Curve, typ.



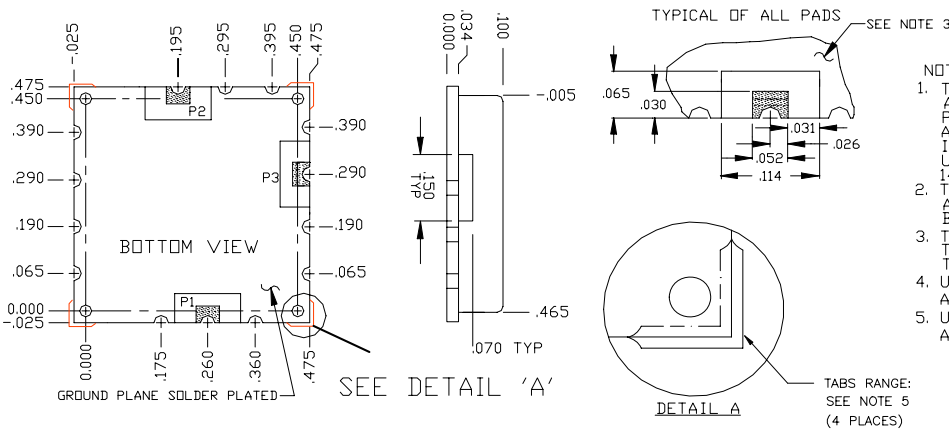
Power Curve, typ.



Footprint



Physical Dimensions



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