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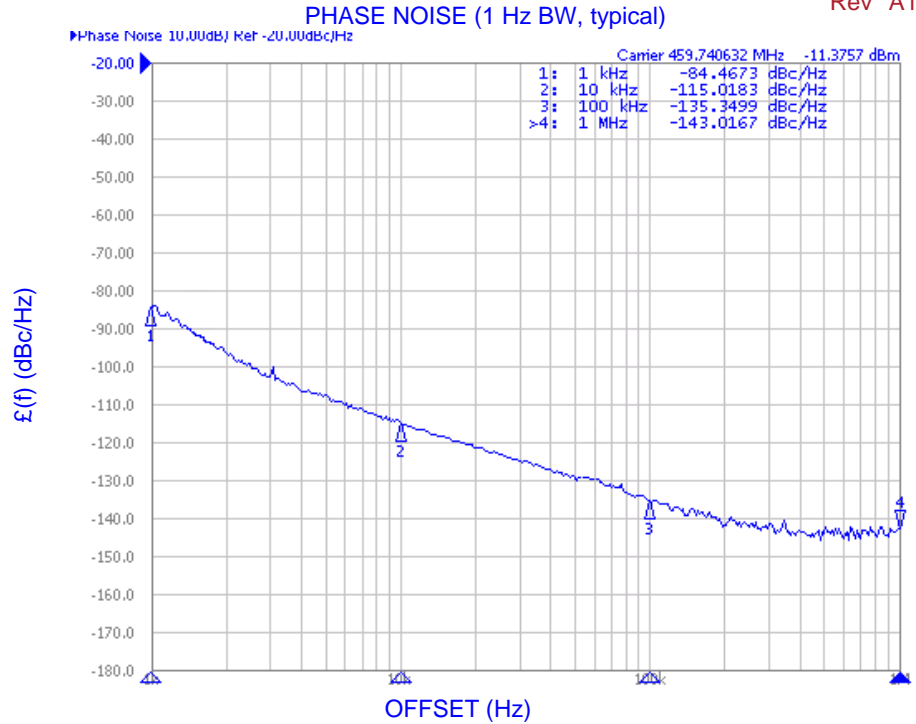
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Wireless Modems
- Fixed Wireless
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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            | 430 |         | 495 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |     | -114    |     | dBc/Hz             |
| Harmonic Suppression (2nd)             |     | -20     |     | dBc                |
| Tuning Voltage                         | 0.5 |         | 4.5 | Vdc                |
| Tuning Sensitivity (avg.)              |     | 27      |     | MHz/V              |
| Power Output                           | -6  | -4      | -2  | dBm                |
| Load Impedance                         |     | 50      |     | $\Omega$           |
| Input Capacitance                      |     |         | 50  | pF                 |
| Pushing                                |     |         | 1   | MHz/V              |
| Pulling (12 dB Return Loss, Any Phase) |     |         | .5  | MHz                |
| Operating Temperature Range            | -40 |         | 85  | $^{\circ}\text{C}$ |
| Package Style                          |     | MINI-16 |     |                    |

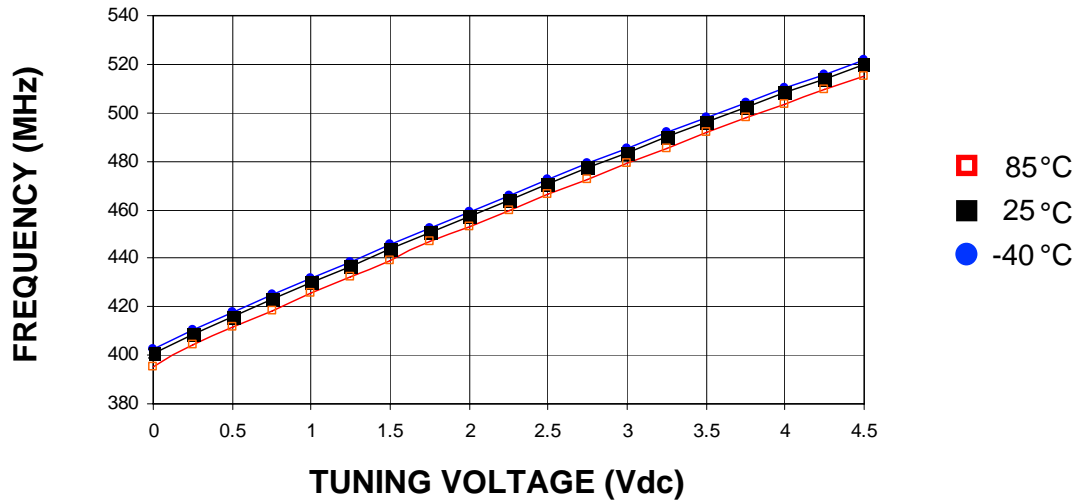
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 4.5 |     | Vdc   |
| Supply Current (Icc)       |     | 34  | 41  | mA    |

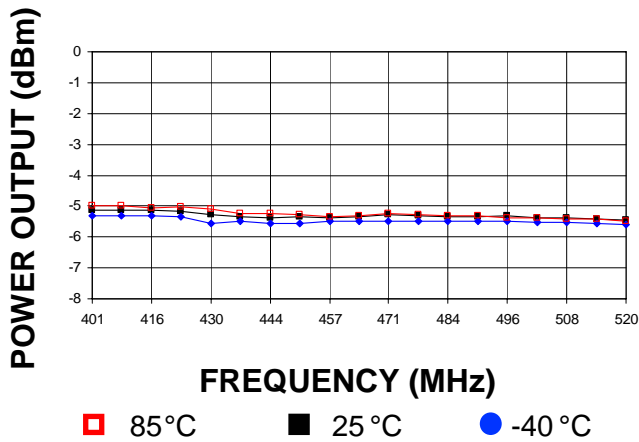
#### Additional Notes

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

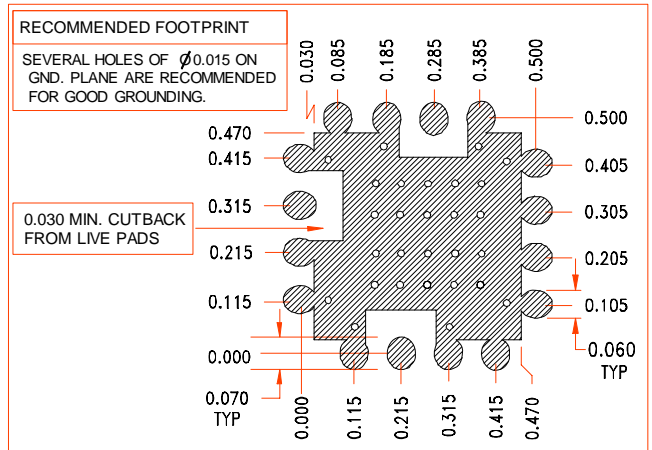
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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