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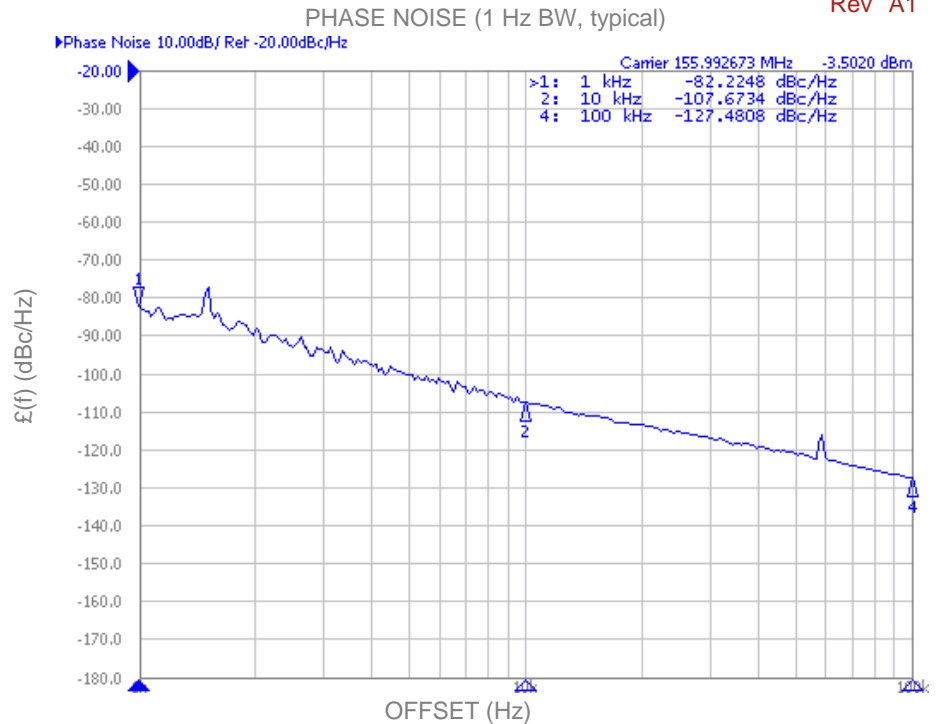
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- VSAT Terminals
- Mobile Radios
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### Application Notes

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

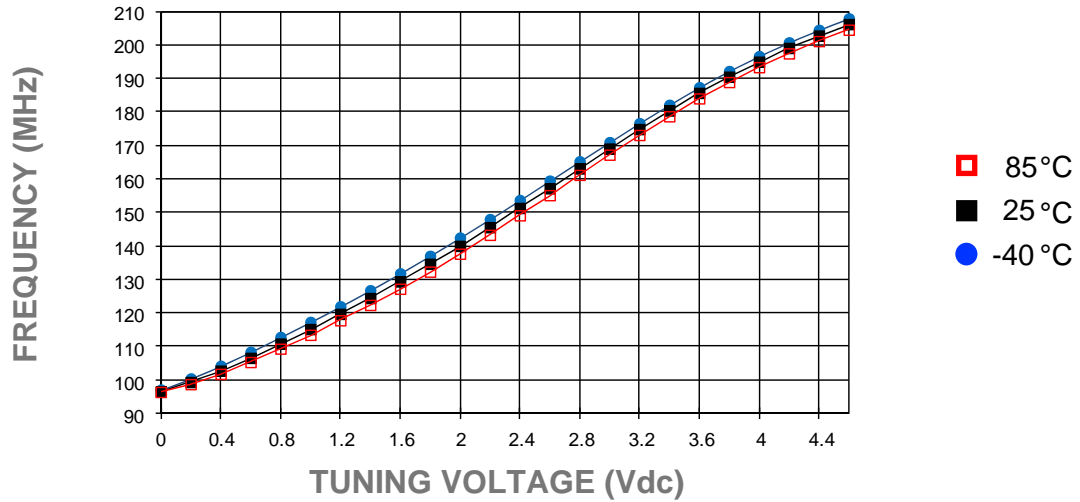


| Performance Specifications             | Min | Typ       | Max  | Units              |
|--|-----|-----------|------|--------------------|
| Oscillation Frequency Range            | 112 |           | 200  | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |     | -105      |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |     | -10       | -7   | dBc                |
| Tuning Voltage                         | 0.4 |           | 4.6  | Vdc                |
| Tuning Sensitivity (avg.)              |     | 30        |      | MHz/V              |
| Power Output                           | -4  | 0         | 4    | 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            | -40 |           | 85   | $^{\circ}\text{C}$ |
| Package Style                          |     | MINI-16-L |      |                    |

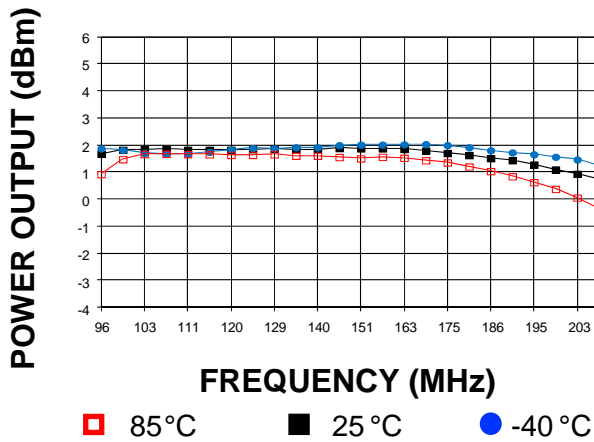
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 22  | 27  | mA    |

### Additional Notes

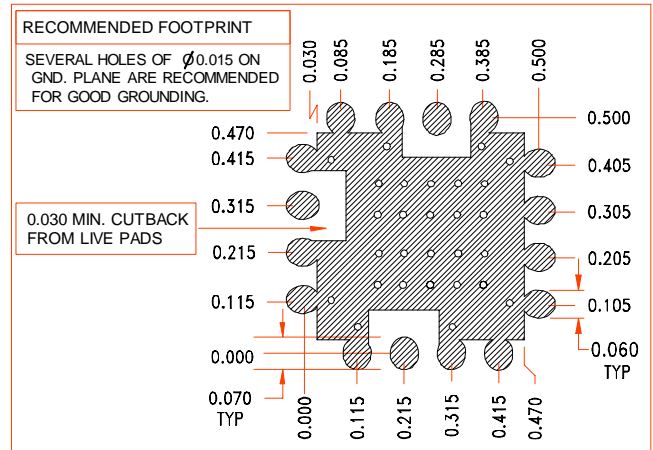
Tuning Curve, typ.



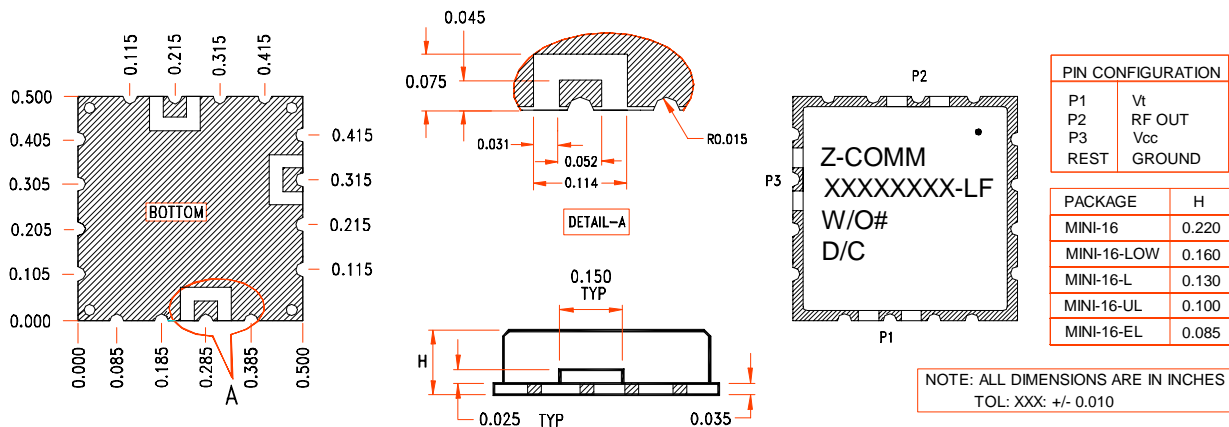
Power Curve, typ.



Footprint



Physical Dimensions



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