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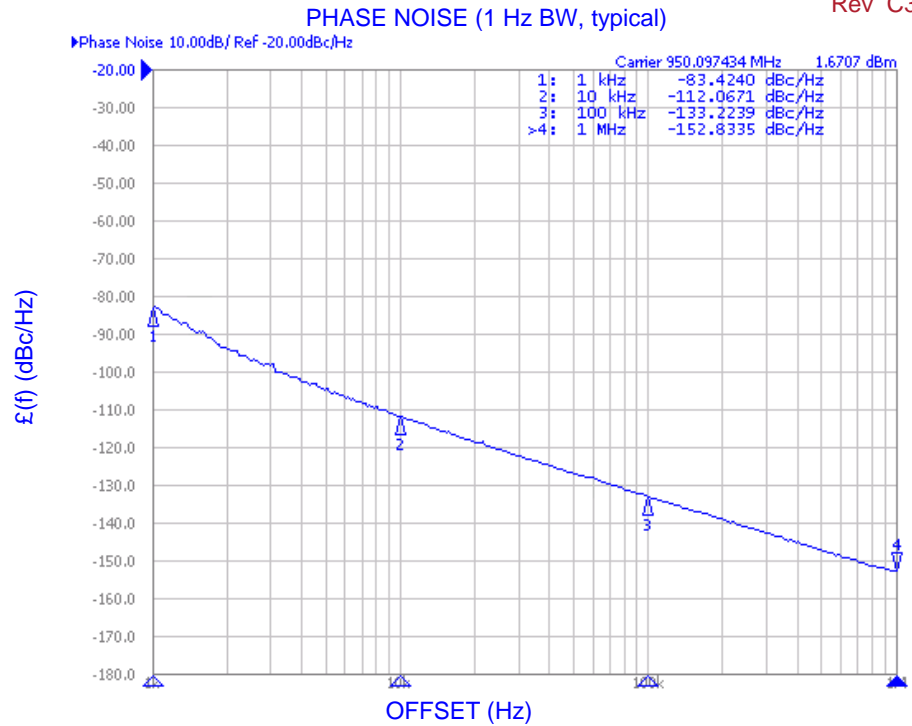
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Digital Radios
- Basestations
- Satellite Communications

#### Application Notes

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



#### Performance Specifications

|  | Min | Typ      | Max  | Units              |
|--|-----|----------|------|--------------------|
| Oscillation Frequency Range            | 865 |          | 1035 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |     | -111     |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |     | -15      | -11  | dBc                |
| Tuning Voltage                         | 1   |          | 10   | Vdc                |
| Tuning Sensitivity (avg.)              |     | 30       |      | MHz/V              |
| Power Output                           | 4   | 7        | 10   | dBm                |
| Load Impedance                         |     | 50       |      | $\Omega$           |
| Input Capacitance                      |     |          | 100  | pF                 |
| Pushing                                |     |          | 2    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |     |          | 2    | MHz                |
| Operating Temperature Range            | -40 |          | 85   | $^{\circ}\text{C}$ |
| Package Style                          |     | MINI-14S |      |                    |

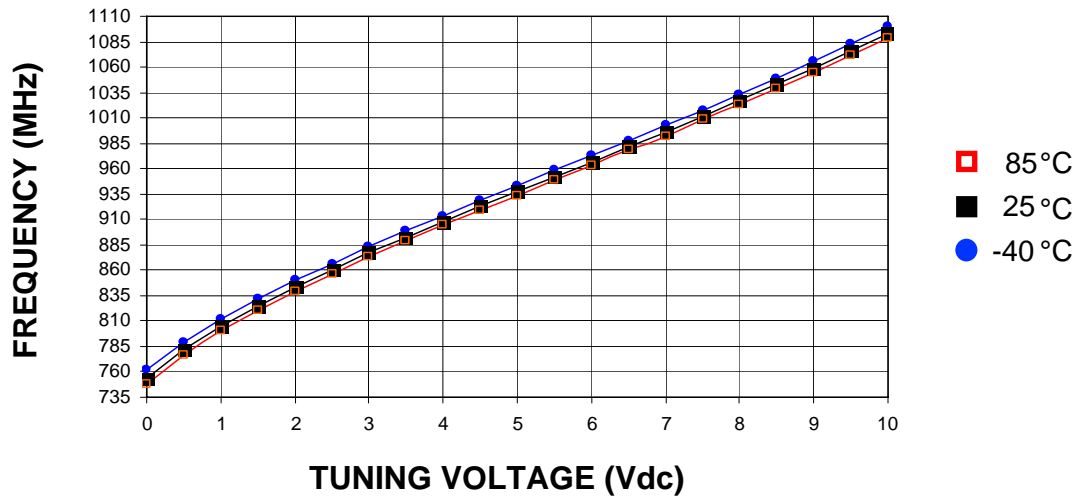
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 25  | 27  | mA    |

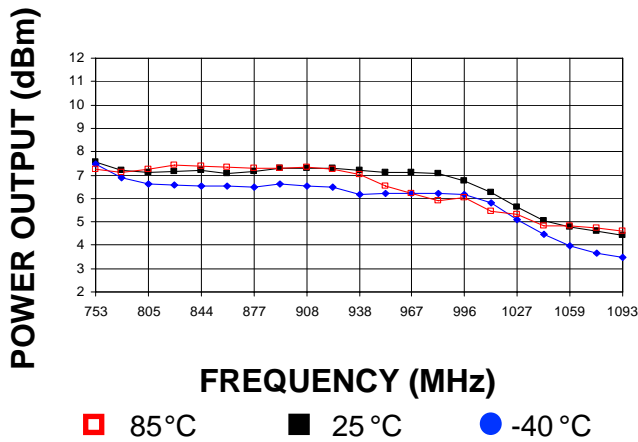
#### Additional Notes

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

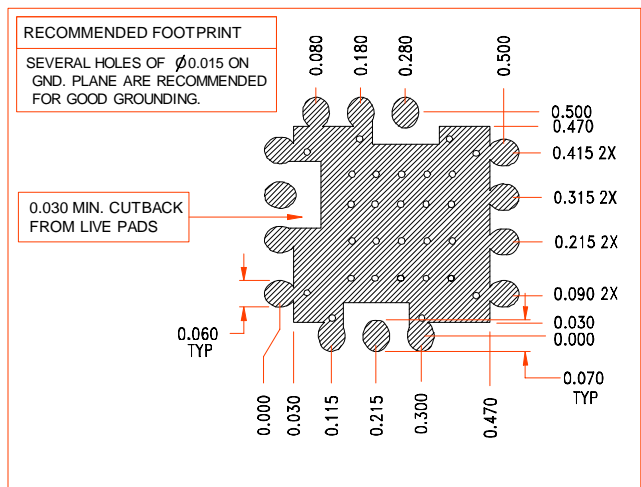
Tuning Curve, typ.



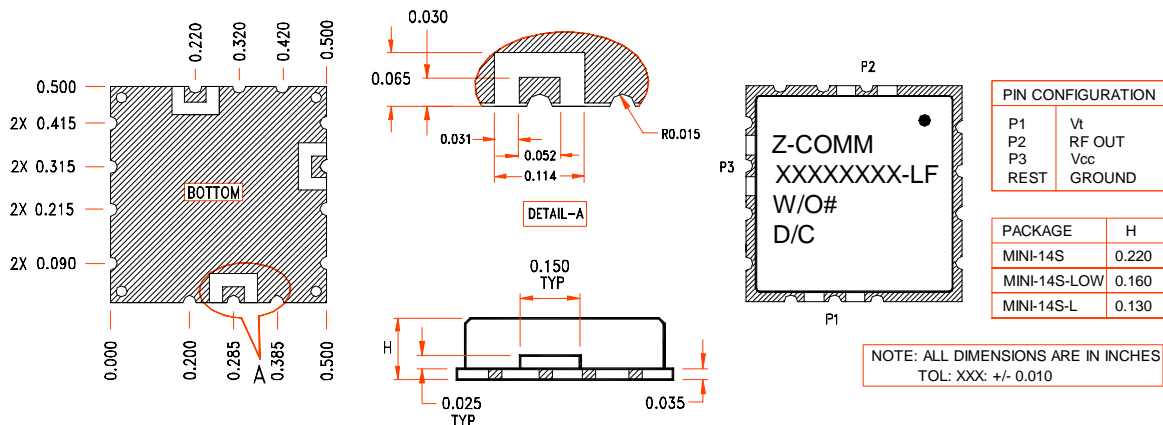
Power Curve, typ.



Footprint



Physical Dimensions



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