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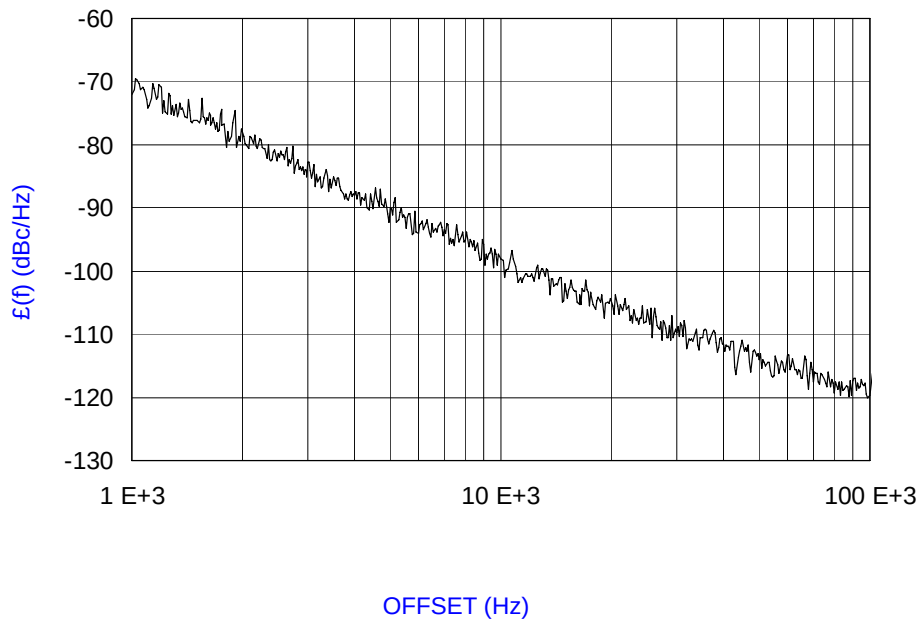
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Fixed Wireless
- Point to multipoint
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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            | 2280      |     | 2450 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |           | -95 |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |           | -20 |      | dBc                |
| Tuning Voltage                         | 0.5       |     | 4.5  | Vdc                |
| Tuning Sensitivity (avg.)              |           | 98  |      | MHz/V              |
| Power Output                           | 2         | 4   | 6    | dBm                |
| Load Impedance                         |           | 50  |      | $\Omega$           |
| Input Capacitance                      |           |     | 50   | pF                 |
| Pushing                                |           |     | 1    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |           |     | 10   | MHz                |
| Operating Temperature Range            | -40       |     | 85   | $^{\circ}\text{C}$ |
| Package Style                          | MINI-16-L |     |      |                    |

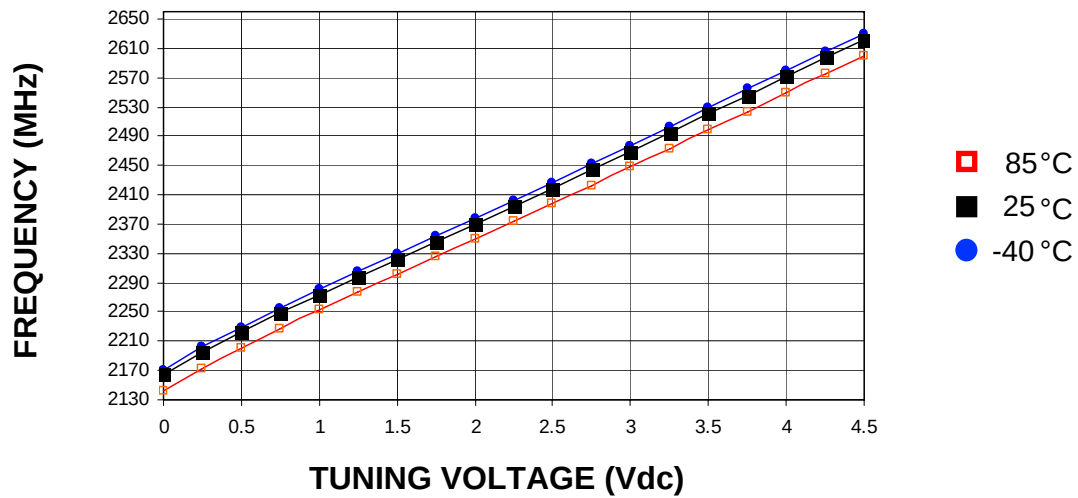
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 20  | 24  | mA    |

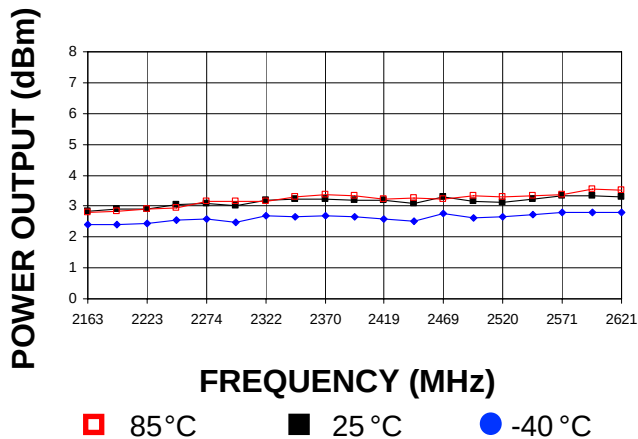
#### Additional Notes

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

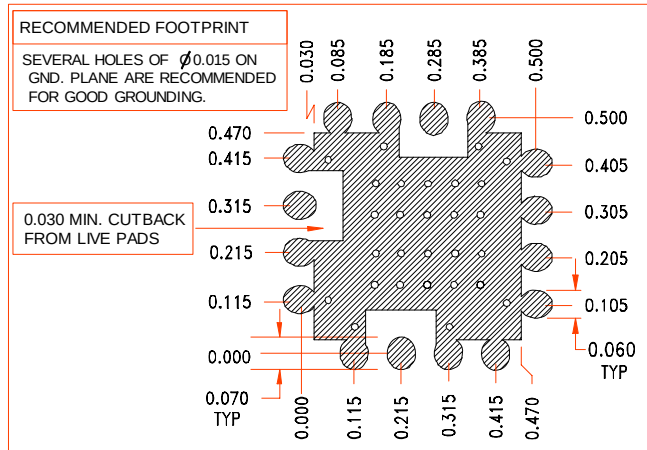
**Tuning Curve, typ.**



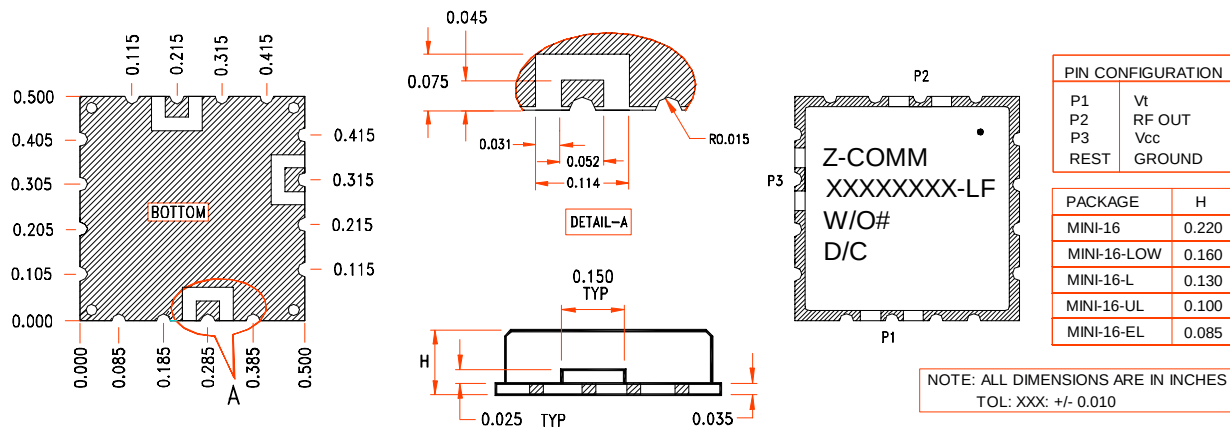
**Power Curve, typ.**



**Footprint**



**Physical Dimensions**



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