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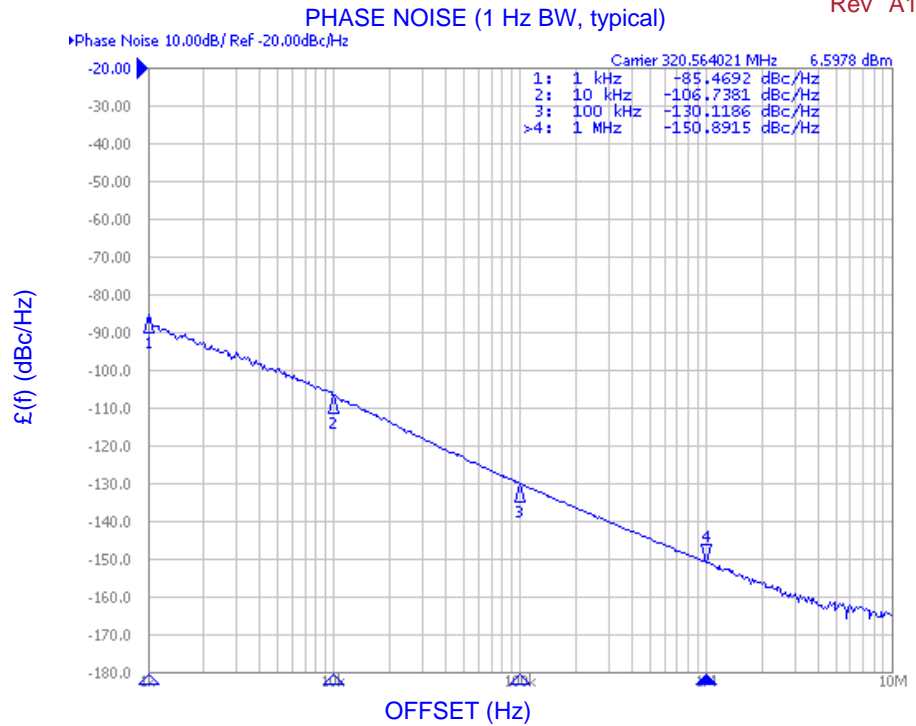
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Base stations
- Mobile Radios
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#### Application Notes

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



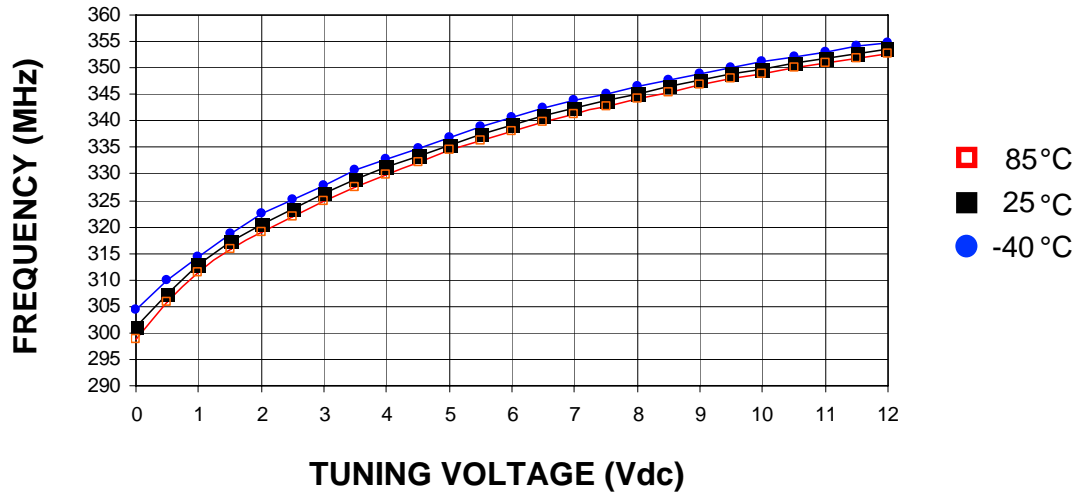
| Performance Specifications             | Min        | Typ  | Max | Units              |
|----------------------------------------|------------|------|-----|--------------------|
| Oscillation Frequency Range            | 319        |      | 321 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |            | -107 |     | dBc/Hz             |
| Harmonic Suppression (2nd)             |            | -13  |     | dBc                |
| Tuning Voltage                         | 0          |      | 12  | Vdc                |
| Tuning Sensitivity (avg.)              |            | 7    |     | MHz/V              |
| Power Output                           | 10         | 12   | 14  | dBm                |
| Load Impedance                         |            | 50   |     | $\Omega$           |
| Input Capacitance                      |            |      | 250 | pF                 |
| Pushing                                |            |      | 1   | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |            |      | .5  | MHz                |
| Operating Temperature Range            | -40        |      | 85  | $^{\circ}\text{C}$ |
| Package Style                          | MINI-14S-L |      |     |                    |

| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 12  |     | Vdc   |
| Supply Current (Icc)       |     | 26  | 31  | mA    |

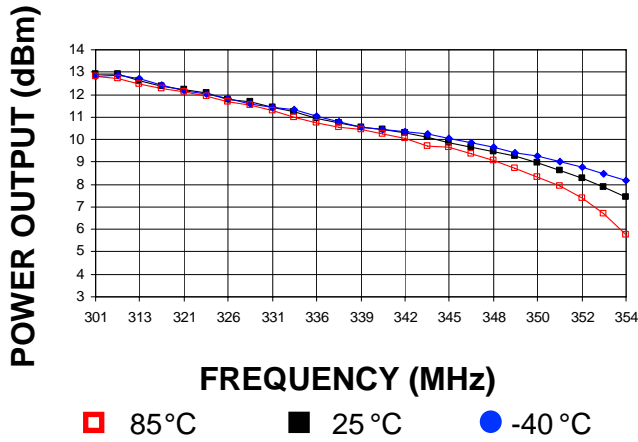
#### Additional Notes

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

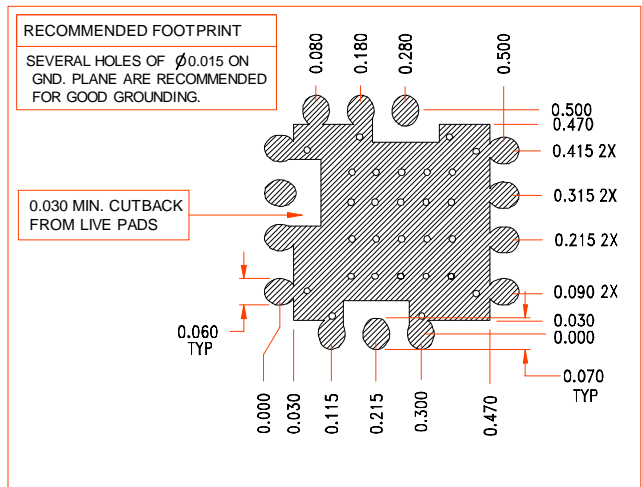
Tuning Curve, typ.



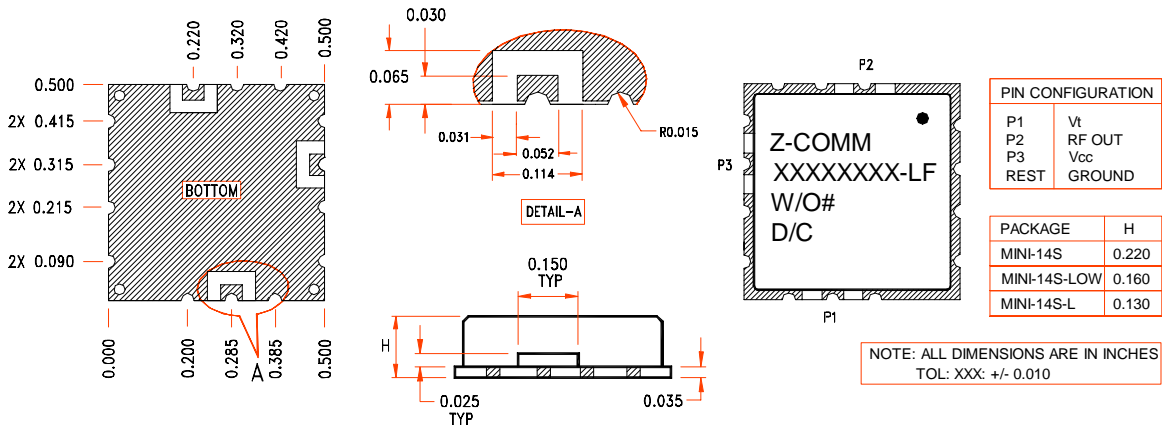
Power Curve, typ.



Footprint



Physical Dimensions



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