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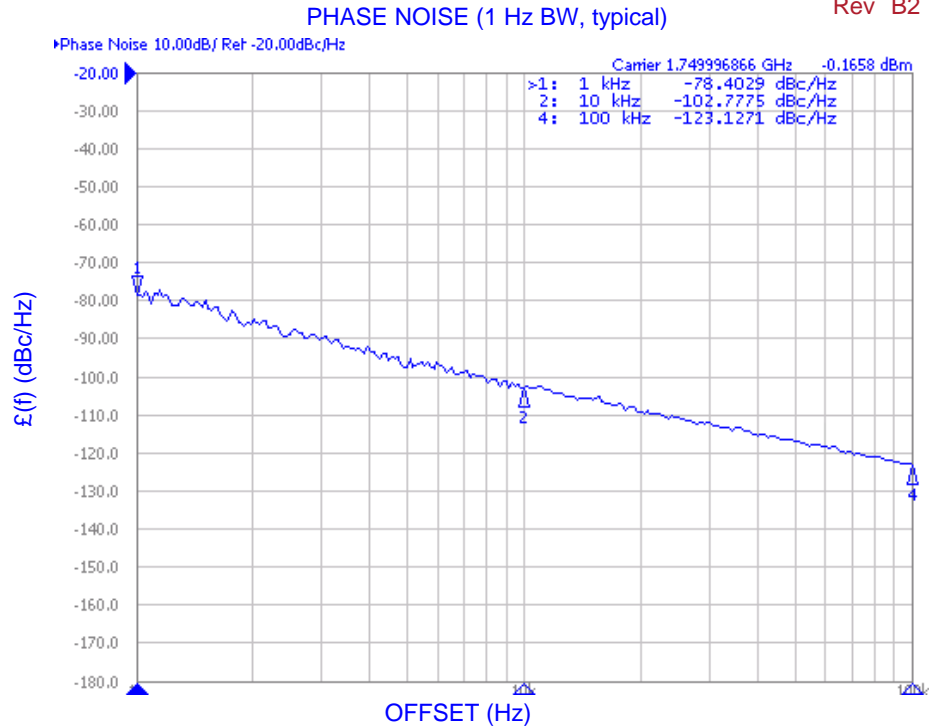
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Satellite Communications
- Test Instrumentation
- Cable Modems

#### Application Notes

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



#### Performance Specifications

|  | Min  | Typ      | Max  | Units              |
|--|------|----------|------|--------------------|
| Oscillation Frequency Range            | 1500 |          | 2000 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -101     |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -10      | -8   | dBc                |
| Tuning Voltage                         | .8   |          | 20   | Vdc                |
| Tuning Sensitivity (avg.)              |      | 34       |      | MHz/V              |
| Power Output                           | 3    | 5        | 7    | dBm                |
| Load Impedance                         |      | 50       |      | $\Omega$           |
| Input Capacitance                      |      |          | 100  | pF                 |
| Pushing                                |      |          | 3    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |          | 9    | MHz                |
| Operating Temperature Range            | -40  |          | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-14S |      |                    |

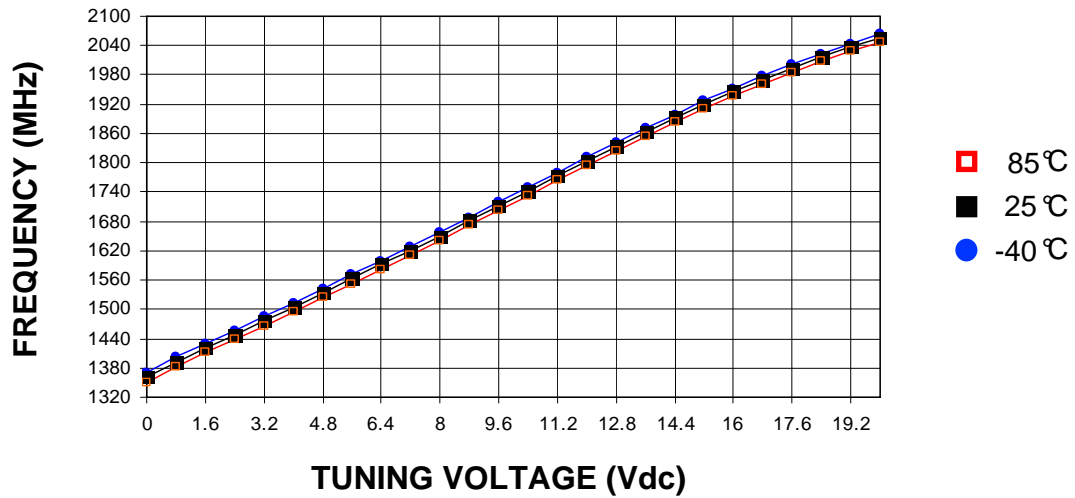
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 10  |     | Vdc   |
| Supply Current (Icc)       |     | 15  | 18  | mA    |

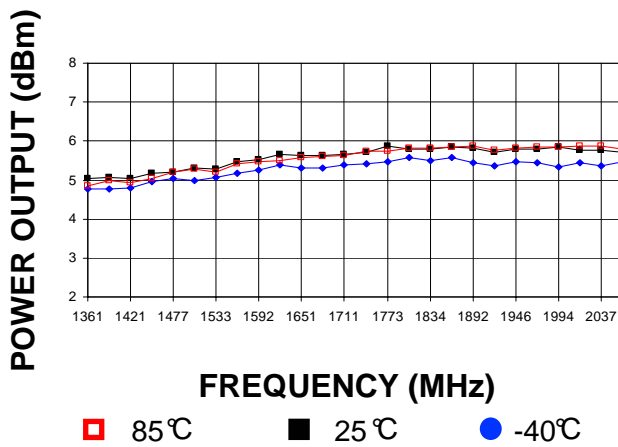
#### Additional Notes

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

Tuning Curve, typ.



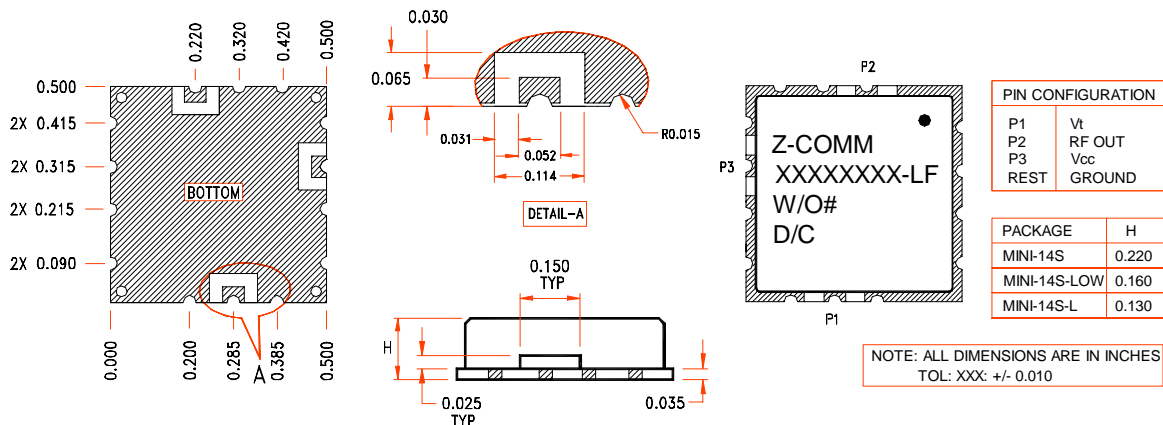
Power Curve, typ.



Footprint



Physical Dimensions



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