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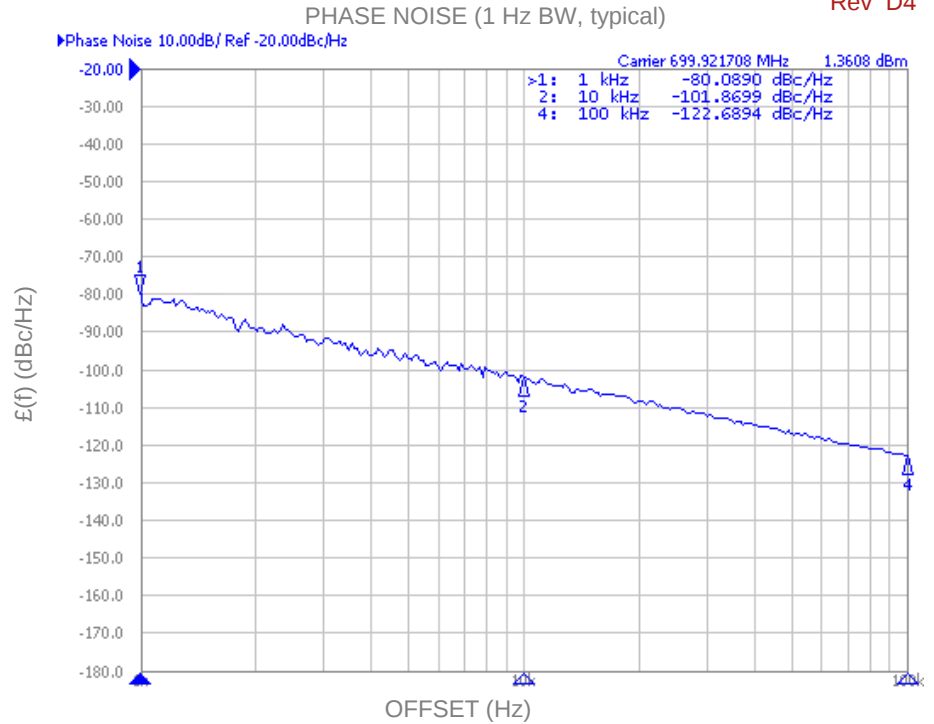
## Voltage-Controlled Oscillator Surface Mount Module

### Applications

- Digital Cellular
- Data Links
- WLANs

### Application Notes

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

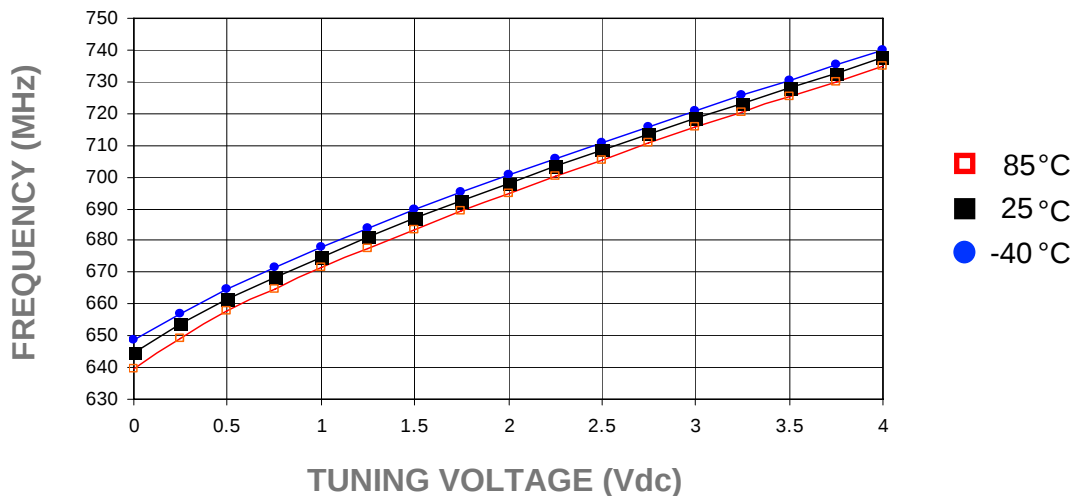


| Performance Specifications             | Min        | Typ  | Max | Units              |
|----------------------------------------|------------|------|-----|--------------------|
| Oscillation Frequency Range            | 690        |      | 710 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |            | -101 |     | dBc/Hz             |
| Harmonic Suppression (2nd)             |            | -5   |     | dBc                |
| Tuning Voltage                         | 1          |      | 4   | Vdc                |
| Tuning Sensitivity (avg.)              |            | 22   |     | MHz/V              |
| Power Output                           | 4          | 6    | 8   | dBm                |
| Load Impedance                         |            | 50   |     | $\Omega$           |
| Input Capacitance                      |            |      | 125 | pF                 |
| Pushing                                |            |      | 2   | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |            |      | 6   | MHz                |
| Operating Temperature Range            | -40        |      | 85  | $^{\circ}\text{C}$ |
| Package Style                          | MINI-14S-L |      |     |                    |

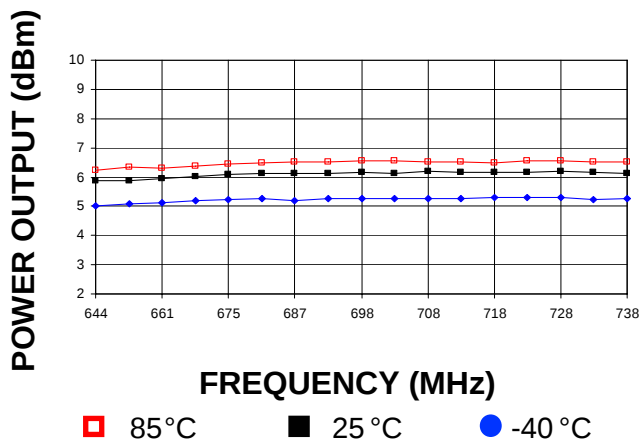
| Power Supply Requirements  | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 15  | 18  | mA    |

### Additional Notes

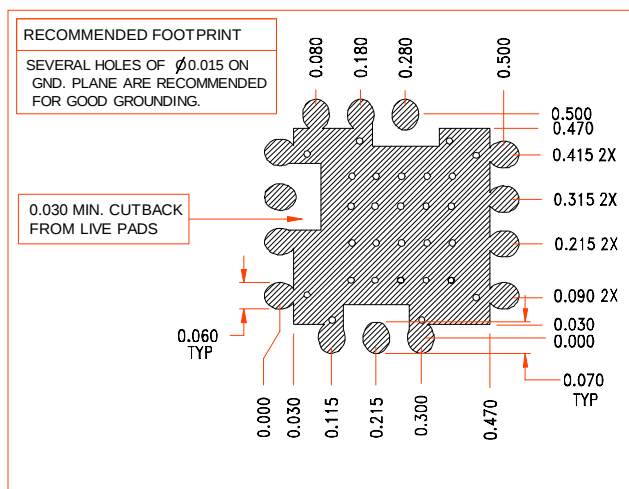
Tuning Curve, typ.



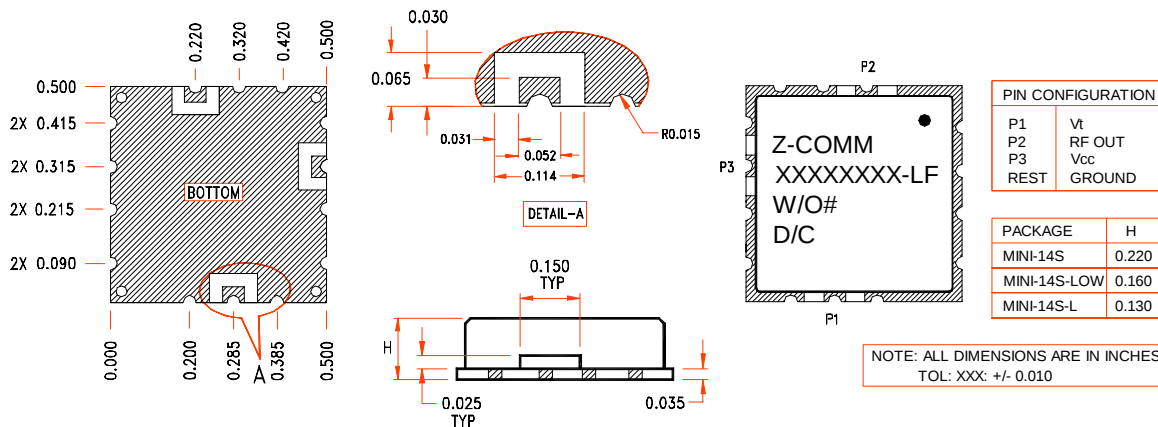
Power Curve, typ.



Footprint



Physical Dimensions



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