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Voltage-Controlled Oscillator Surface Mount Module

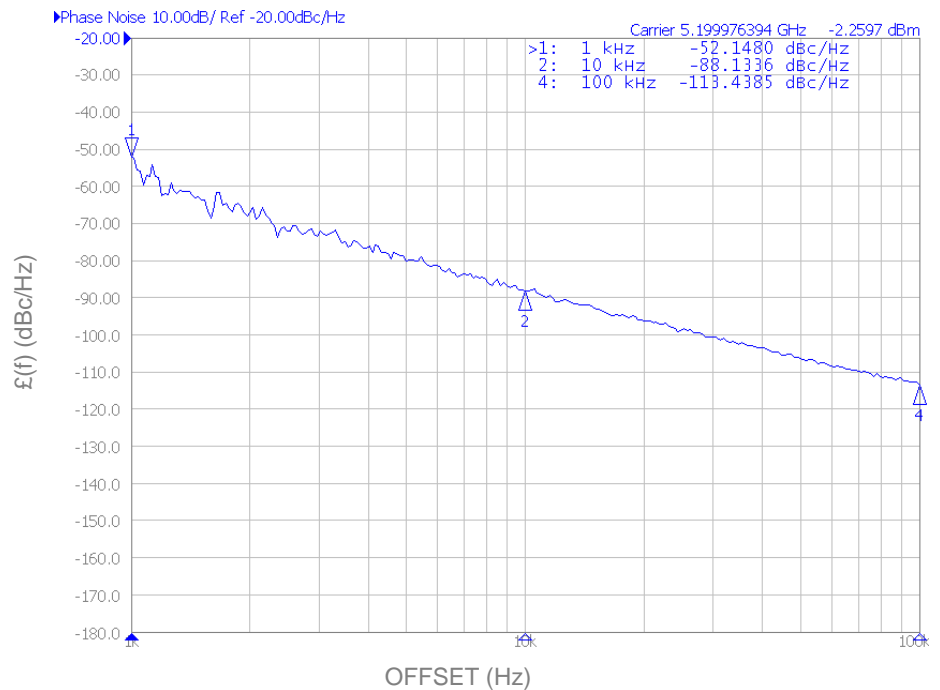
Applications

- Base Stations
- Microwave Links
-

Application Notes

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

PHASE NOISE (1 Hz BW, typical)

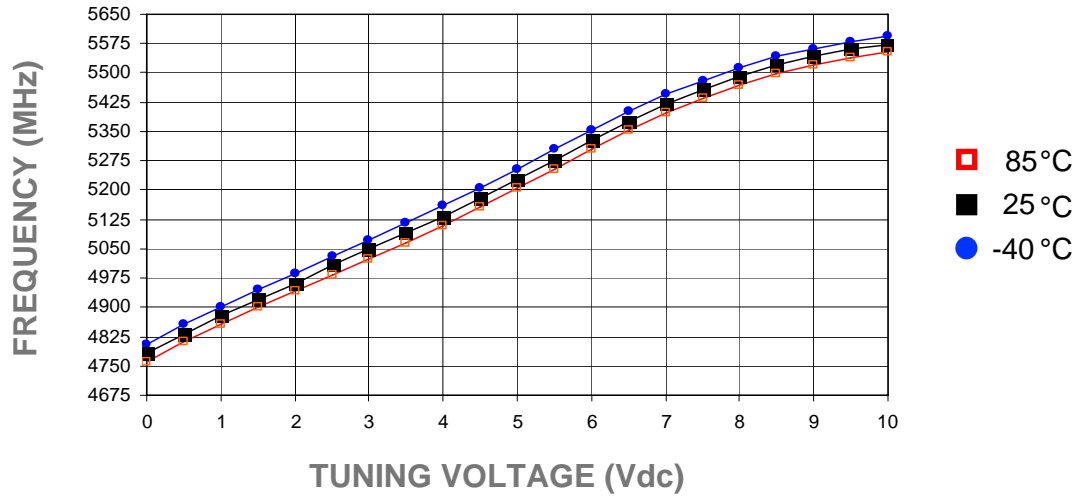


| Performance Specifications | Min | Typ | Max | Units |
|----------------------------------------|------|----------|------|--------------------|
| Oscillation Frequency Range | 4900 | | 5500 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -88 | | dBc/Hz |
| Harmonic Suppression (2nd) | | -25 | -23 | dBc |
| Tuning Voltage | 0 | | 10 | Vdc |
| Tuning Sensitivity (avg.) | | 87 | | MHz/V |
| Power Output | 0 | 4 | 8 | dBm |
| Load Impedance | | 50 | | Ω |
| Input Capacitance | | | 50 | pF |
| Pushing | | | 5 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | | | 15 | MHz |
| Operating Temperature Range | -40 | | 85 | $^{\circ}\text{C}$ |
| Package Style | | MINI-14S | | |

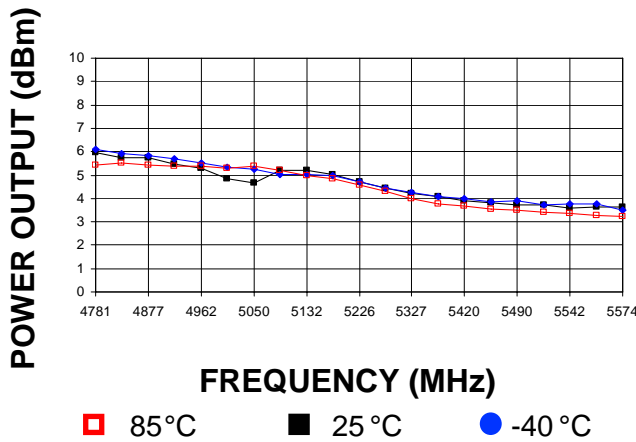
| Power Supply Requirements | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) | | 5 | | Vdc |
| Supply Current (Icc) | | 28 | 34 | mA |

Additional Notes

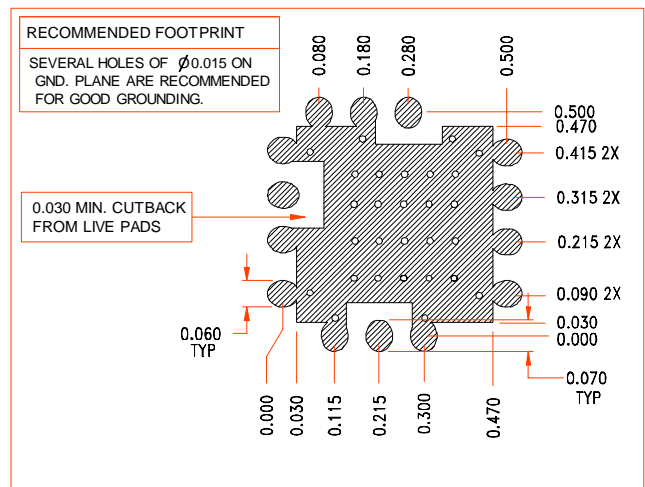
Tuning Curve, typ.



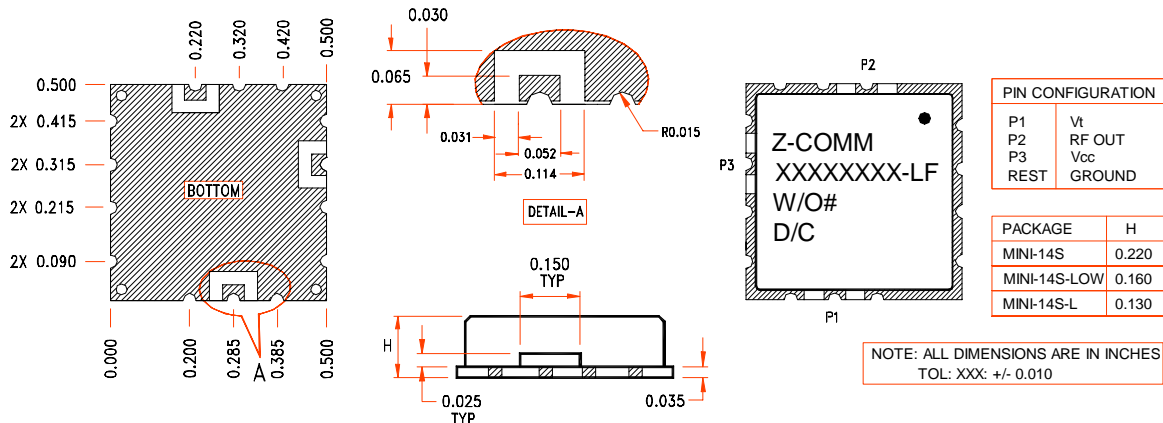
Power Curve, typ.



Footprint



Physical Dimensions



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