# V585ME21

Rev B2

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## Voltage-Controlled Oscillator Surface Mount Module

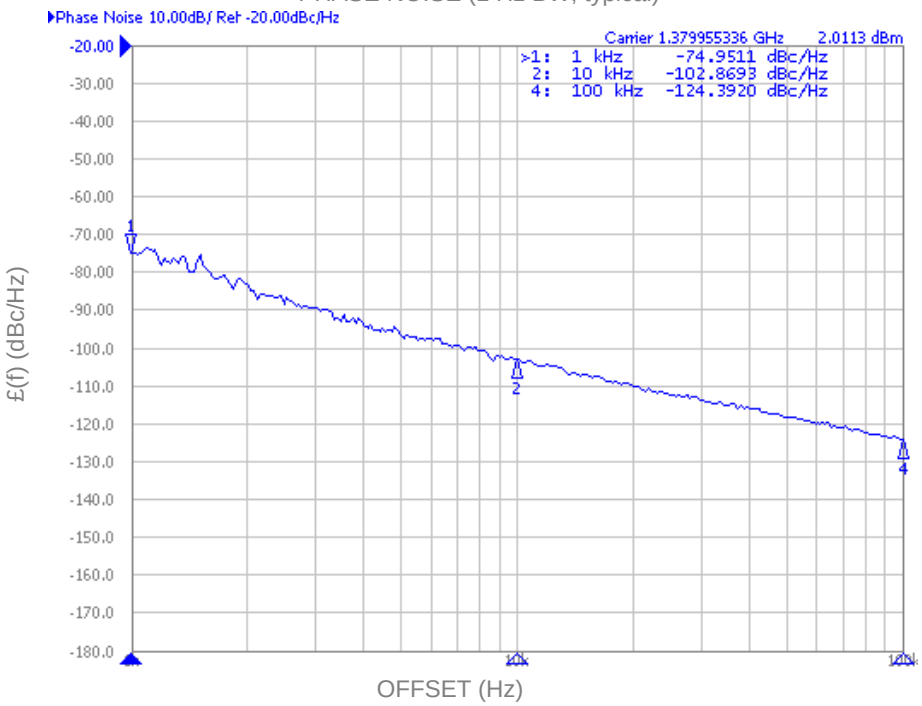
### Applications

- Satellite Communications
- Test Instrumentation
- Earthstations

### 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 | 1000 | | 1760 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -101 | | dBc/Hz |
| Harmonic Suppression (2nd) | | -10 | -5 | dBc |
| Tuning Voltage | 0 | | 9.5 | Vdc |
| Tuning Sensitivity (avg.) | | 95 | | MHz/V |
| Power Output | 6 | 8.5 | 11 | dBm |
| Load Impedance | | 50 | | Ω |
| Input Capacitance | | | 100 | pF |
| Pushing | | | 4 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | | | 15 | MHz |
| Operating Temperature Range | -40 | | 85 | °C |
| Package Style | | MINI-14S | | |

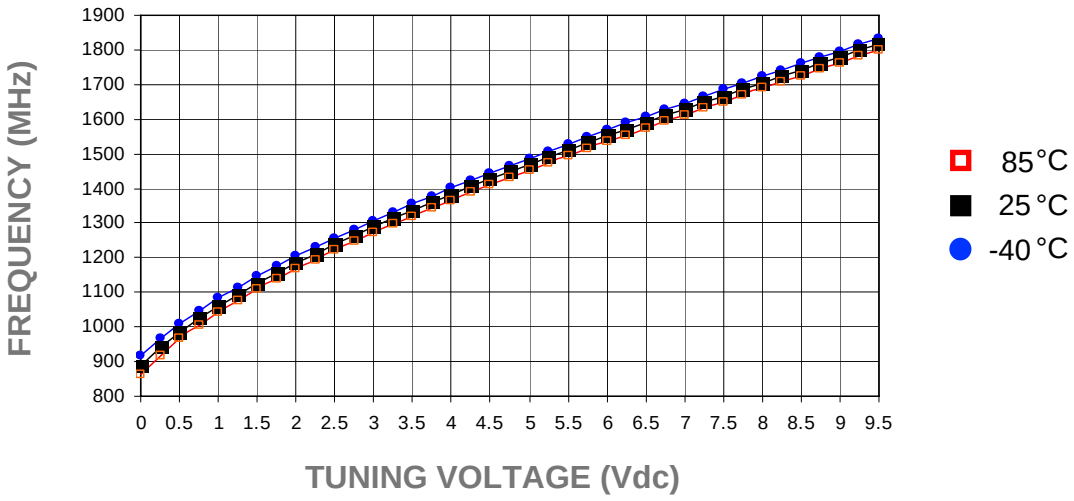
| Power Supply Requirements | Min | Typ | Max | Units |
|---|---|---|---|---|
| Supply Voltage (Vcc, nom.) | | 10 | | Vdc |
| Supply Current (Icc) | | 22 | 27 | mA |

### Additional Notes

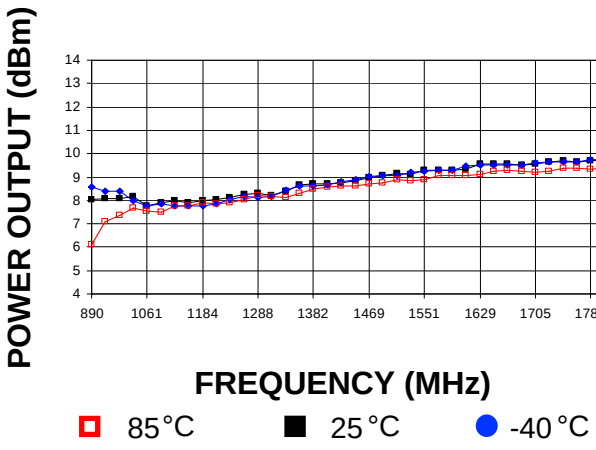
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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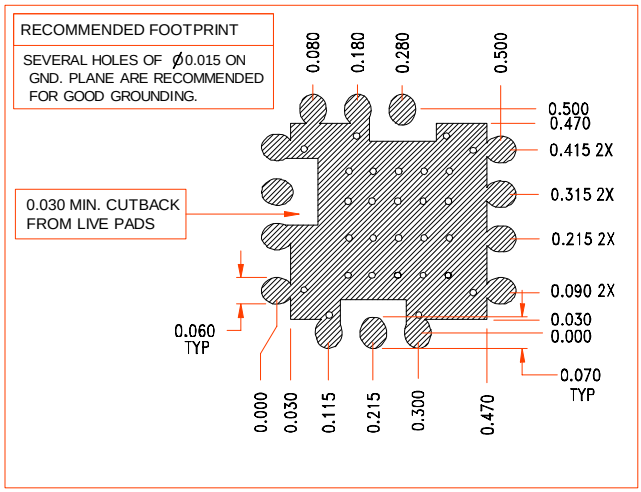
## Tuning Curve, typ.



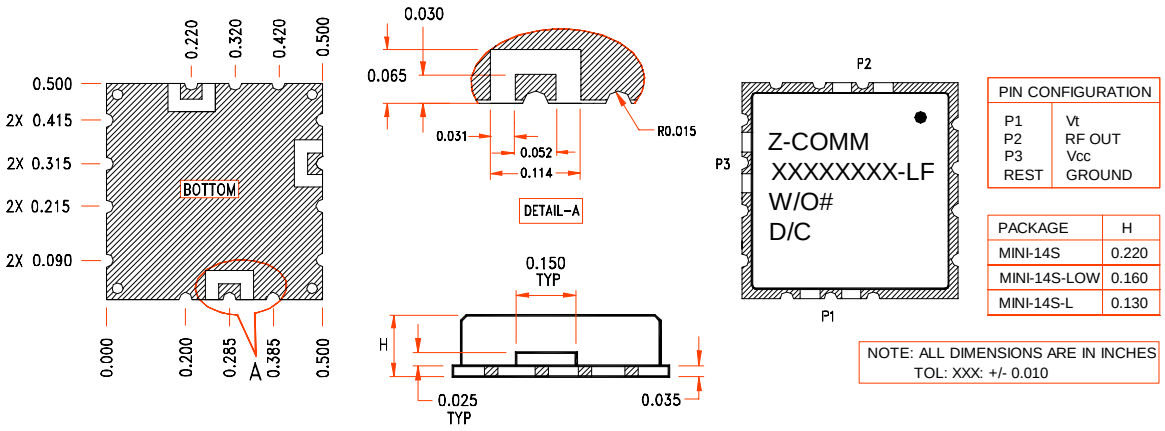

## Power Curve, typ.




## Footprint




## Physical Dimensions




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