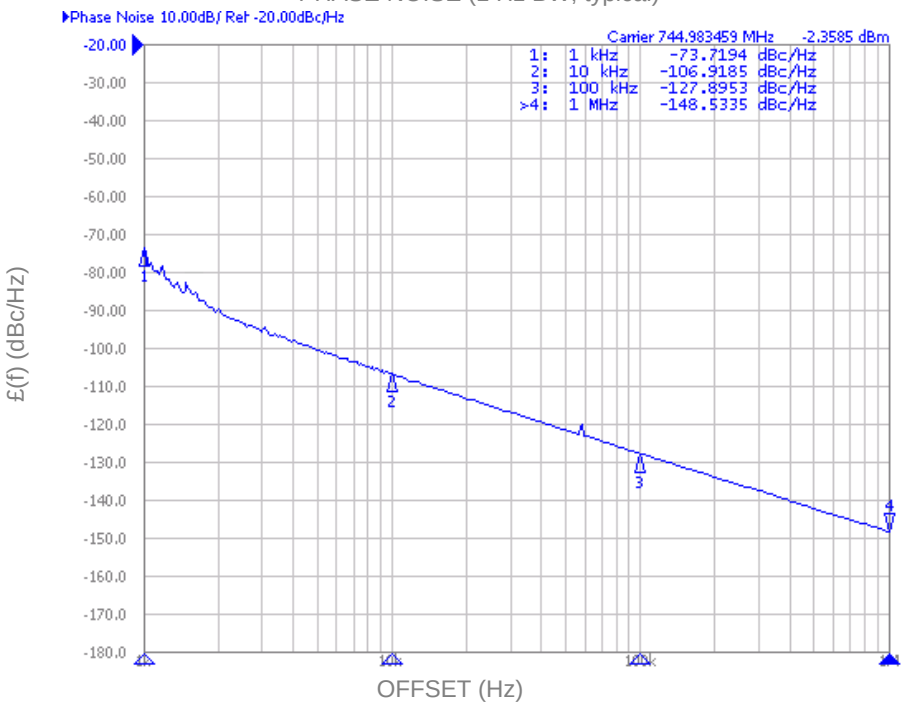
# V700ME04

Rev C3

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Poway, CA 92064
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## Voltage-Controlled Oscillator Surface Mount Module

PHASE NOISE (1 Hz BW, typical)




## Applications

- Digital Radios
- 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 | 740 | | 750 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -106 | | dBc/Hz |
| Harmonic Suppression (2nd) | | -15 | -8 | dBc |
| Tuning Voltage | 1 | | 4 | Vdc |
| Tuning Sensitivity (avg.) | | 31 | | MHz/V |
| Power Output | 1 | 3.5 | 6 | dBm |
| Load Impedance | | 50 | | Ω |
| Input Capacitance | | | 100 | pF |
| Pushing | | | 1 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | | | 1 | MHz |
| Operating Temperature Range | -40 | | 80 | °C |
| Package Style | | MINI-16-L | | |

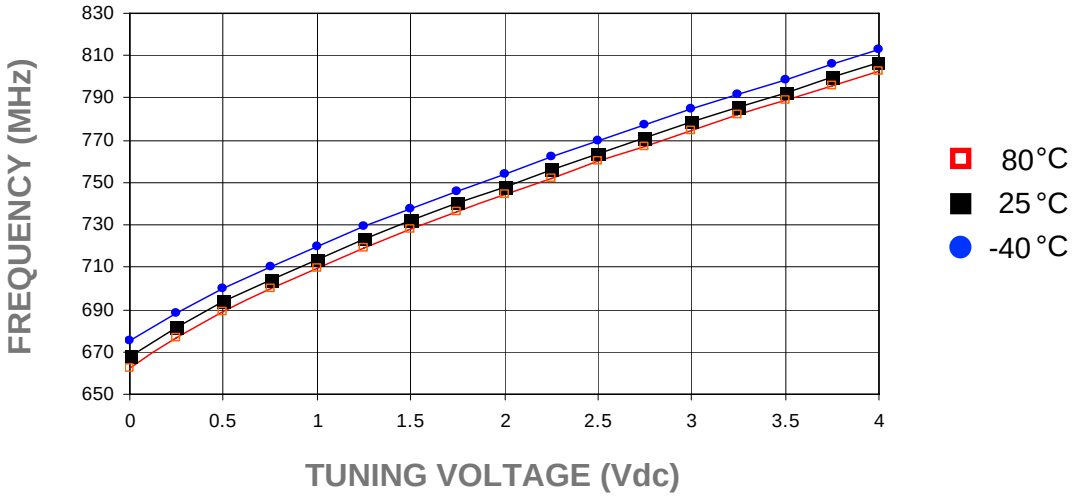
| Power Supply Requirements | Min | Typ | Max | Units |
|---|---|---|---|---|
| Supply Voltage (Vcc, nom.) | | 5 | | Vdc |
| Supply Current (Icc) | | 15 | 20 | mA |

## Additional Notes

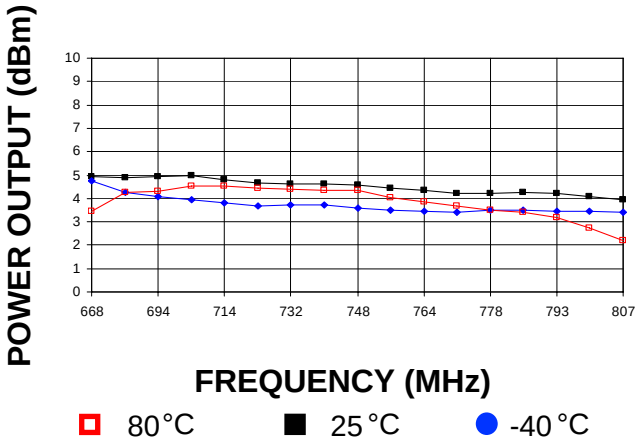
LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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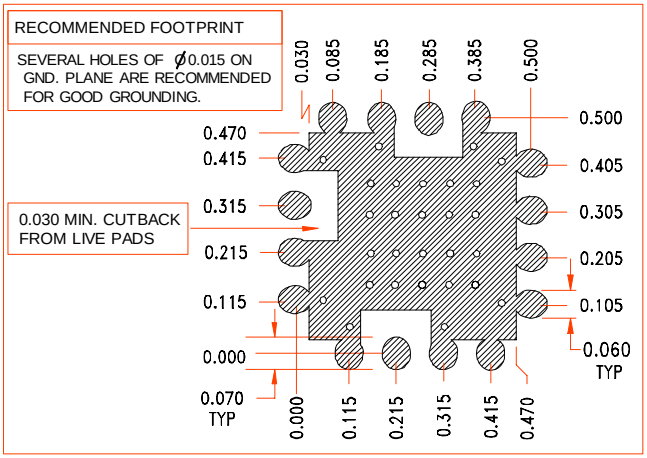
## Tuning Curve, typ.



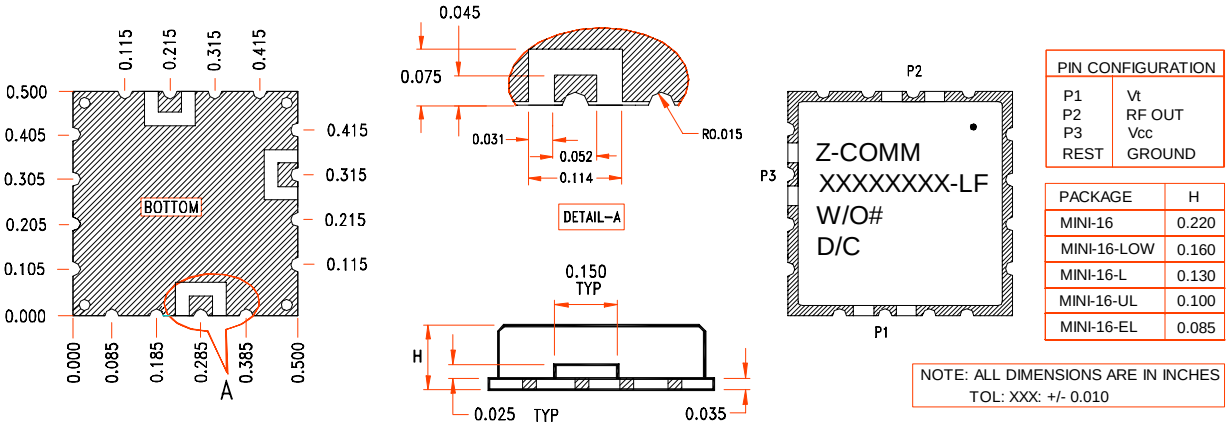

## Power Curve, typ.




## Footprint




## Physical Dimensions




| PIN CONFIGURATION | |
|---|---|
| P1 | Vt |
| P2 | RF OUT |
| P3 | Vcc |
| REST | GROUND |

| PACKAGE | H |
|---|---|
| MINI-16 | 0.220 |
| MINI-16-LOW | 0.160 |
| MINI-16-L | 0.130 |
| MINI-16-UL | 0.100 |
| MINI-16-EL | 0.085 |

NOTE: ALL DIMENSIONS ARE IN INCHES
TOL: XXX: +/- 0.010

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