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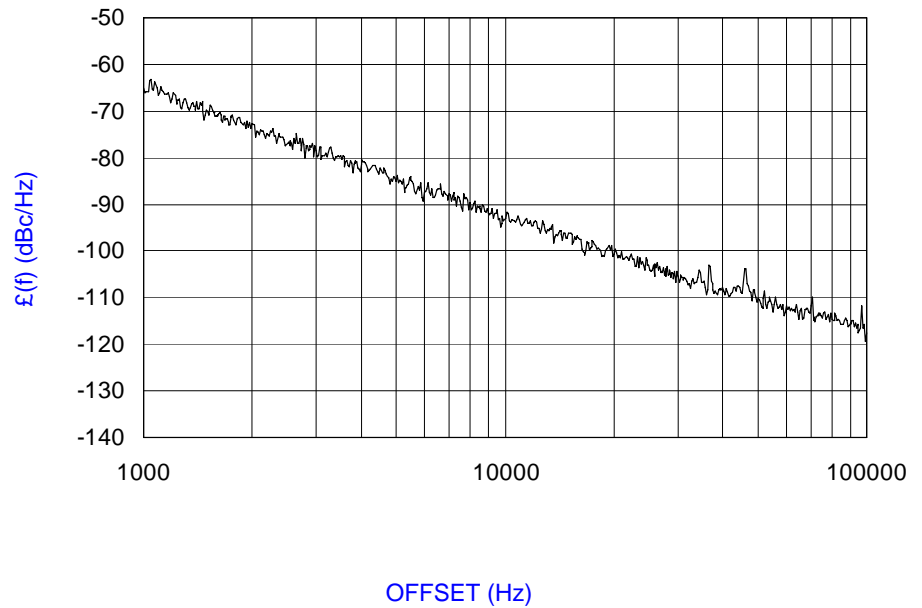
**Voltage-Controlled Oscillator
 Surface Mount Module**

Applications

- Portable Radio
- WLAN
-

Application Notes

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



Performance Specifications

| | Min | Typ | Max | Units |
|--|------|-------|------|--------------------|
| Oscillation Frequency Range | 2200 | | 2450 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -91 | | dBc/Hz |
| Harmonic Suppression (2nd) | | -10 | | dBc |
| Tuning Voltage | 0 | | 3 | Vdc |
| Tuning Sensitivity (avg.) | | 147 | | MHz/V |
| Power Output | 2 | 4 | 6 | dBm |
| Load Impedance | | 50 | | Ω |
| Input Capacitance | | | 50 | pF |
| Pushing | | | 5 | MHz/V |
| Pulling (14 dB Return Loss, Any Phase) | | | 10 | MHz |
| Operating Temperature Range | -40 | | 90 | $^{\circ}\text{C}$ |
| Package Style | | SUB-L | | |

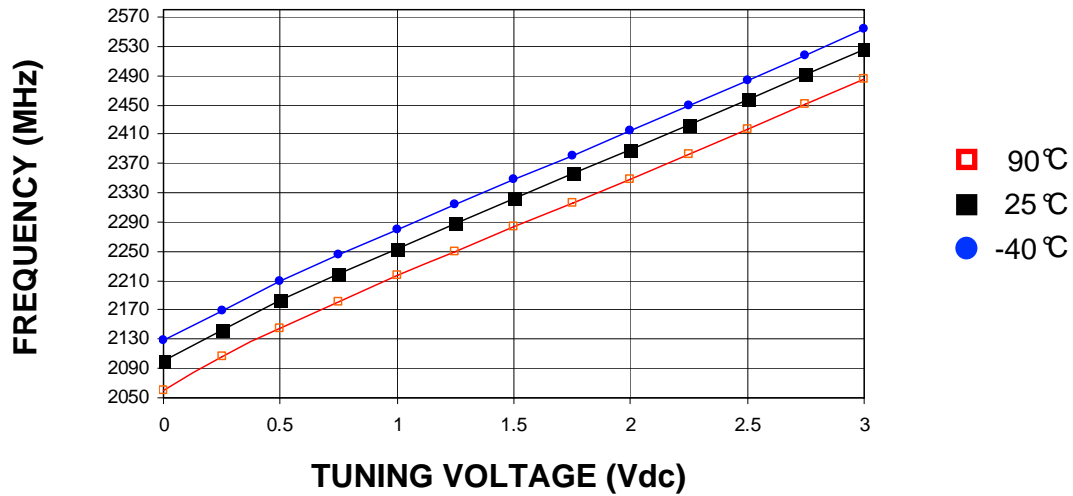
Power Supply Requirements

| | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) | | 3 | | Vdc |
| Supply Current (Icc) | | 14 | 17 | mA |

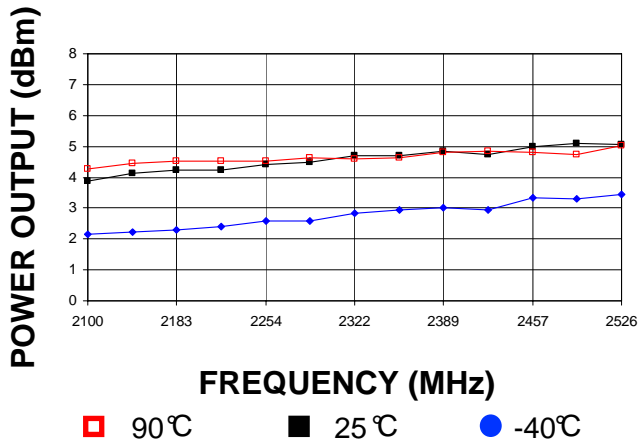
Additional Notes

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

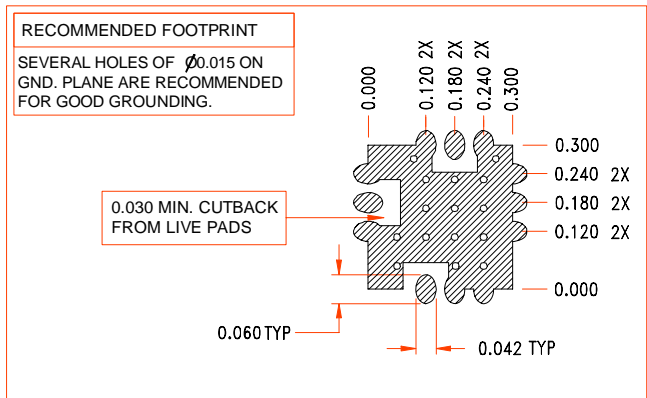
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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

| PACKAGE | H |
|------------|-------|
| SUB MINI | 0.110 |
| SUB MINI-L | 0.080 |

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