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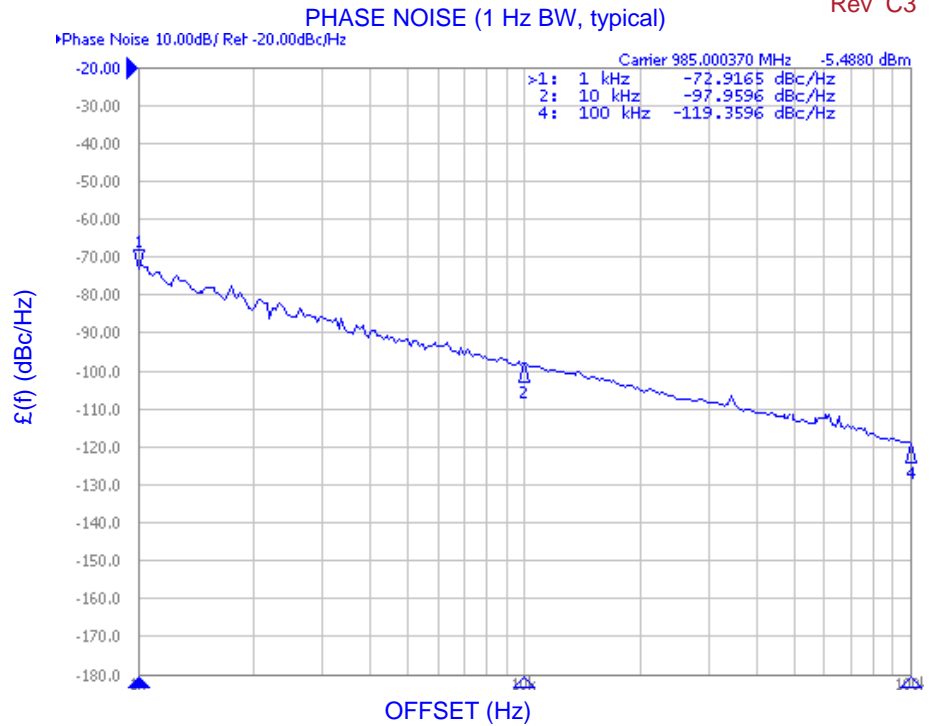
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Digital Cellular
- VHF Communications
- Test Equipment

#### Application Notes

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



#### Performance Specifications

|   | Min | Typ   | Max | Units              |
|---|-----|-------|-----|--------------------|
| Oscillation Frequency Range             | 975 |       | 995 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)   |     | -97   |     | dBc/Hz             |
| Harmonic Suppression (2nd)              |     | -12   | -9  | dBc                |
| Tuning Voltage                          | 0.5 |       | 2.5 | Vdc                |
| Tuning Sensitivity (avg.)               |     | 76    |     | MHz/V              |
| Power Output                            | 1   | 4     | 7   | dBm                |
| Load Impedance                          |     | 50    |     | $\Omega$           |
| Input Capacitance                       |     |       | 50  | pF                 |
| Pushing                                 |     |       | 2   | MHz/V              |
| Pulling (20. dB Return Loss, Any Phase) |     |       | 6   | MHz                |
| Operating Temperature Range             | -40 |       | 85  | $^{\circ}\text{C}$ |
| Package Style                           |     | SUB-L |     |                    |

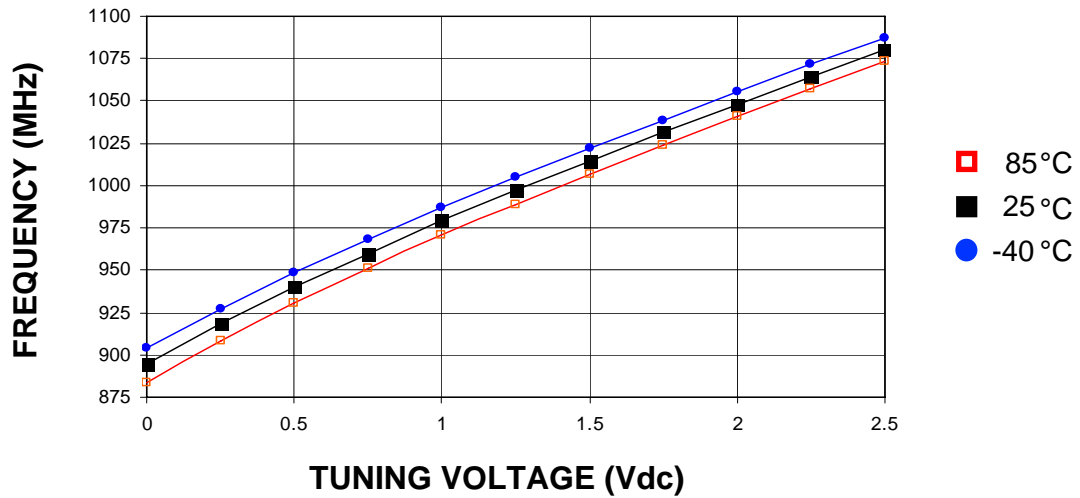
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 3   |     | Vdc   |
| Supply Current (Icc)       |     | 7   | 9   | mA    |

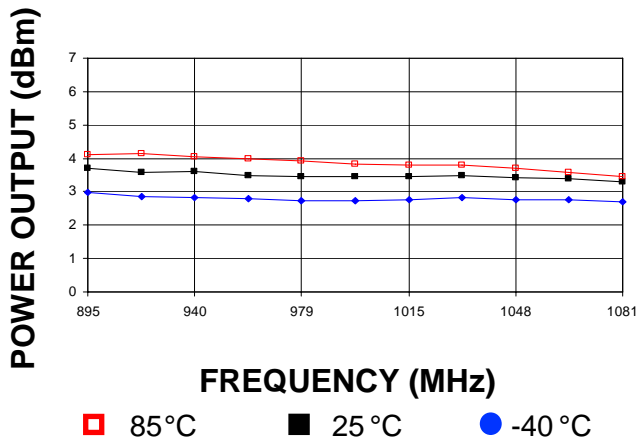
#### Additional Notes

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

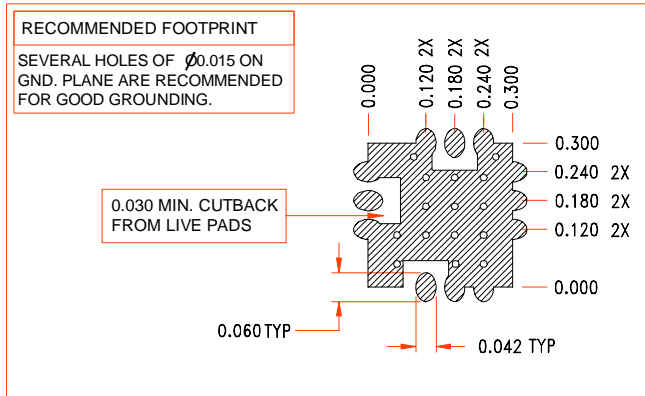
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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