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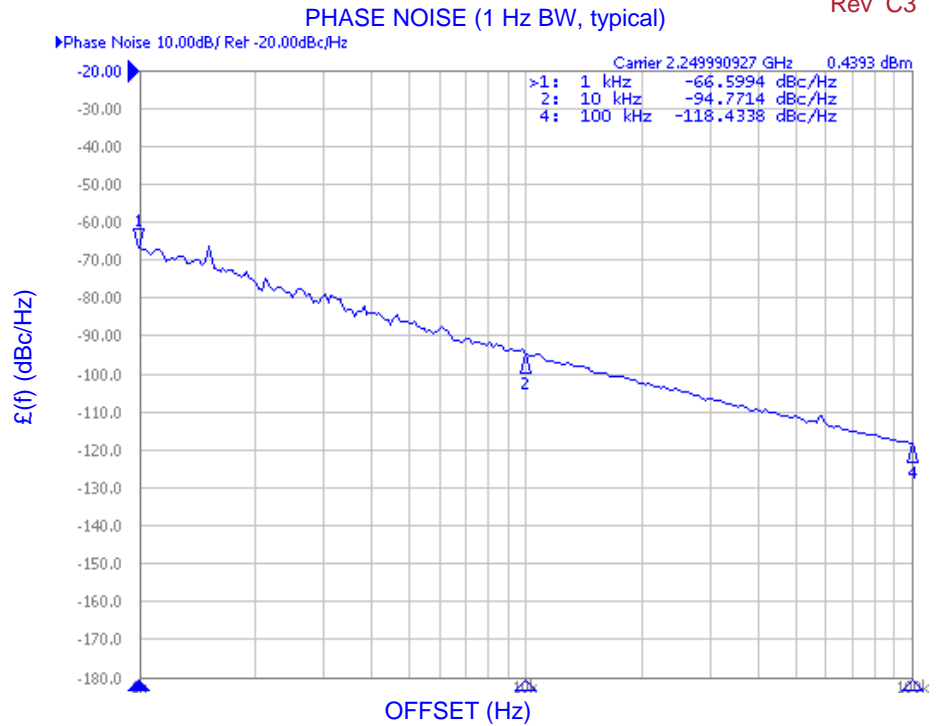
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Broadband Transmission
- Earthstations
- 

#### Application Notes

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



#### Performance Specifications

|  | Min  | Typ       | Max  | Units              |
|--|------|-----------|------|--------------------|
| Oscillation Frequency Range            | 1700 |           | 2800 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -95       |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -20       | -14  | dBc                |
| Tuning Voltage                         | 0.5  |           | 15   | Vdc                |
| Tuning Sensitivity (avg.)              |      | 118       |      | MHz/V              |
| Power Output                           | 3    | 6.5       | 10   | dBm                |
| Load Impedance                         |      | 50        |      | $\Omega$           |
| Input Capacitance                      |      |           | 500  | pF                 |
| Pushing                                |      |           | 5    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |           | 8    | MHz                |
| Operating Temperature Range            | -40  |           | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-16-L |      |                    |

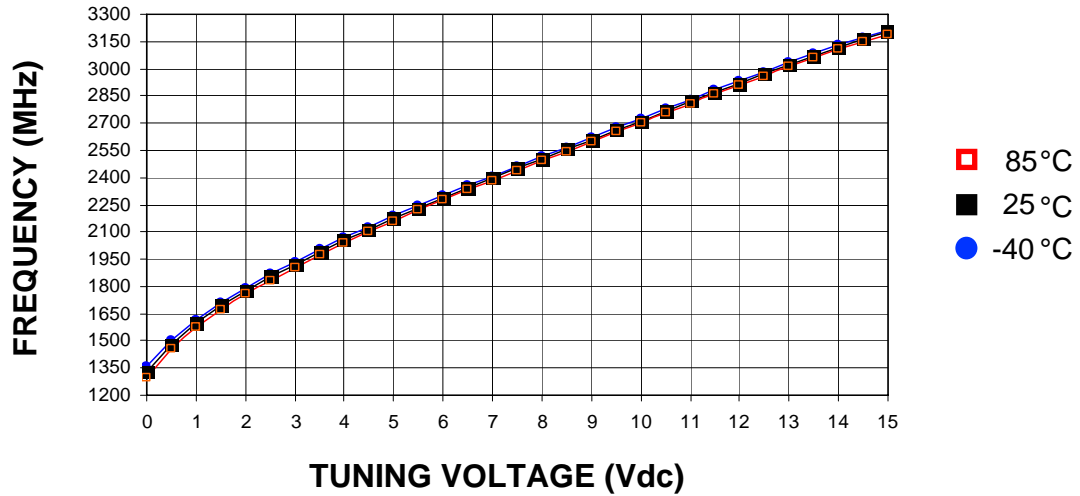
#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 21  | 25  | mA    |

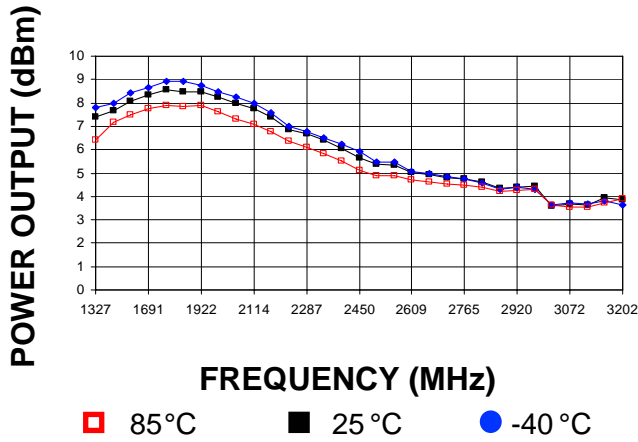
#### Additional Notes

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

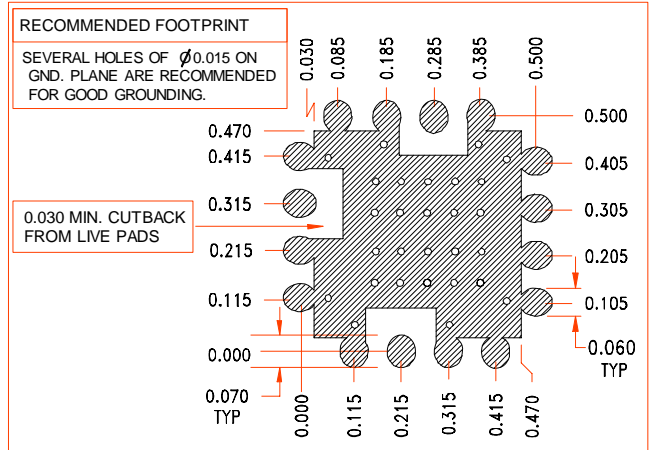
Tuning Curve, typ.



Power Curve, typ.



Footprint



Physical Dimensions



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