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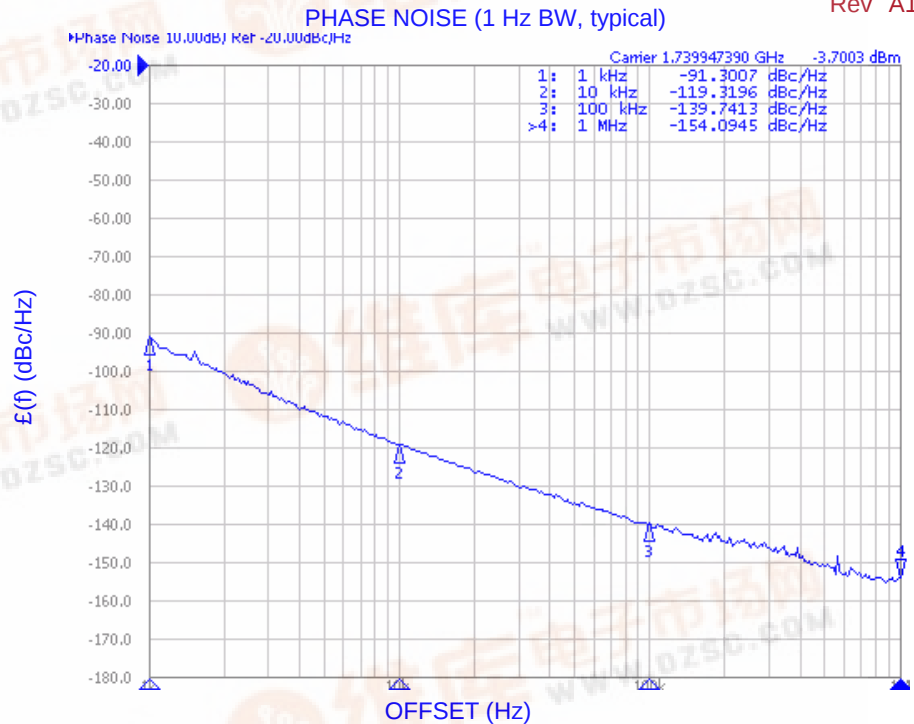
**Voltage-Controlled Oscillator  
Surface Mount Module**

**Applications**

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication Systems

**Application Notes**

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



**Performance Specifications**

|                                        | Min  | Typ        | Max  | Units              |
|----------------------------------------|------|------------|------|--------------------|
| Oscillation Frequency Range            | 1720 |            | 1760 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -118       |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -24        | -20  | dBc                |
| Tuning Voltage                         | 2    |            | 12   | Vdc                |
| Tuning Sensitivity (avg.)              |      | 5          |      | MHz/V              |
| Power Output                           | 1    | 3.5        | 6    | dBm                |
| Load Impedance                         |      | 50         |      | $\Omega$           |
| Input Capacitance                      |      |            | 50   | pF                 |
| Pushing                                |      |            | .5   | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |            | .5   | MHz                |
| Operating Temperature Range            | -40  |            | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-16-SM |      |                    |

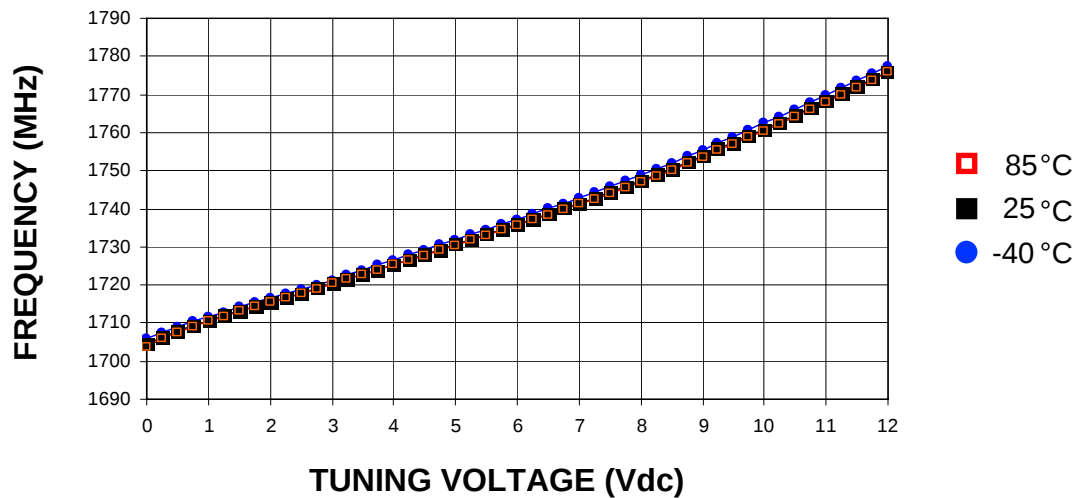
**Power Supply Requirements**

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 8   |     | Vdc   |
| Supply Current (Icc)       |     | 30  | 38  | mA    |

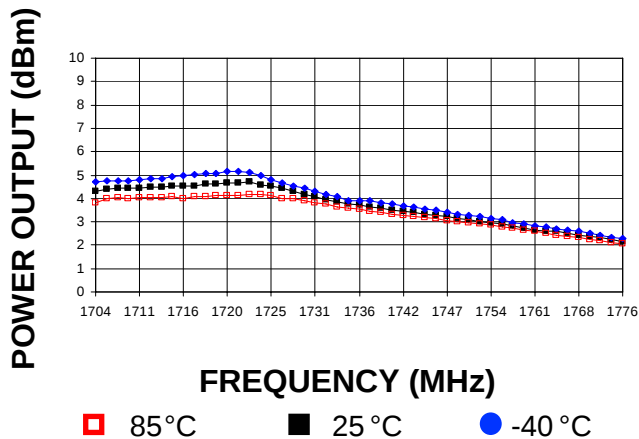
**Additional Notes**



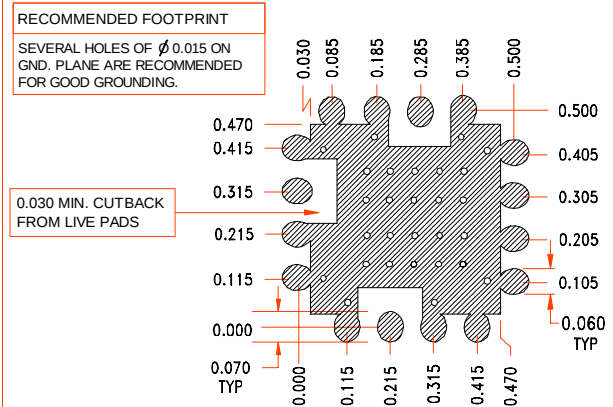
**Tuning Curve, typ.**



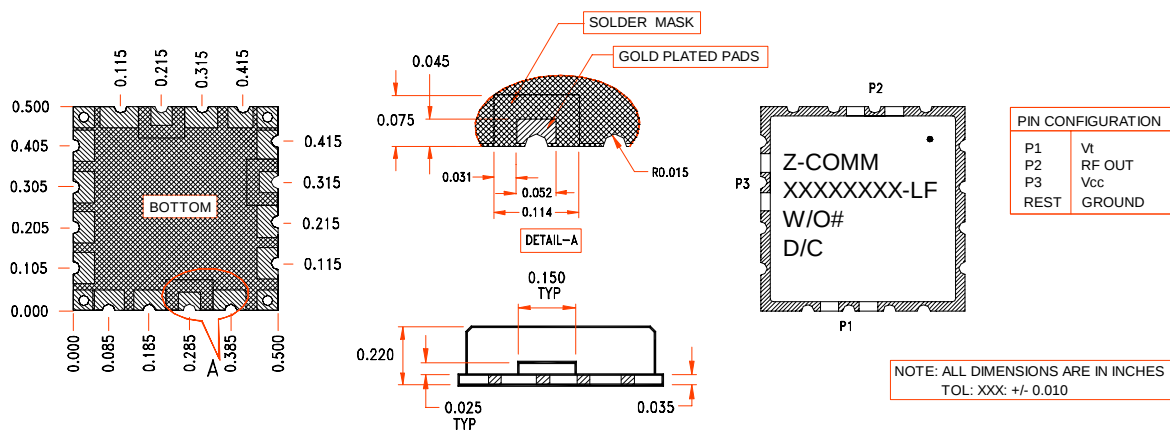
**Power Curve, typ.**



**Footprint**



**Physical Dimensions**



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