

14118 Stowe Drive, Suite B | Poway, CA 92064  
 TEL: (858) 621-2700 | FAX: (858) 486-1927  
 URL: [www.zcomm.com](http://www.zcomm.com)  
 EMAIL: [applications@zcomm.com](mailto:applications@zcomm.com)

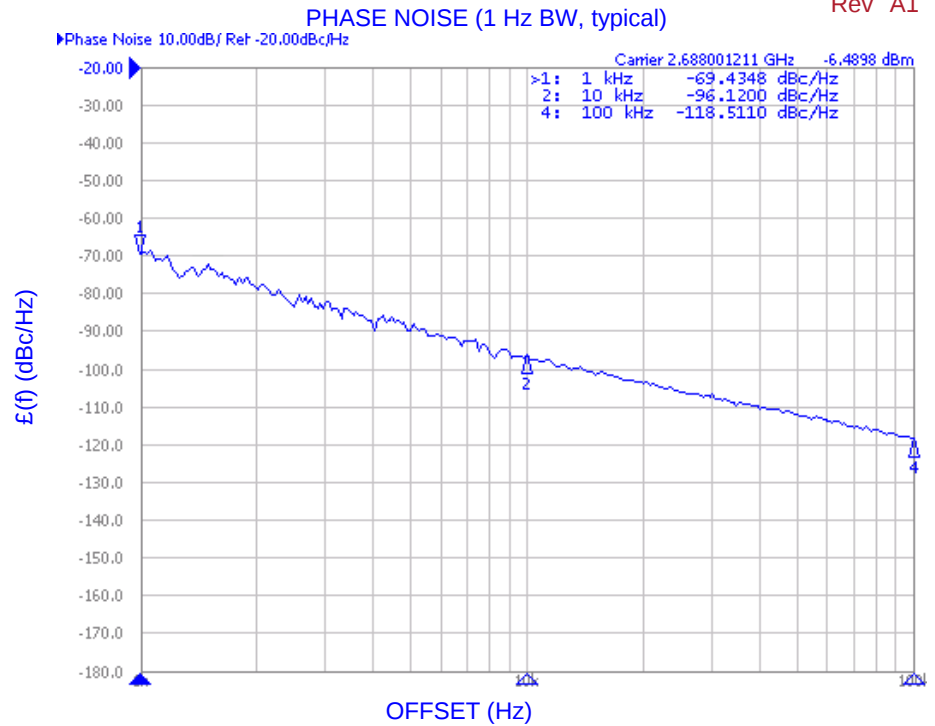
### Voltage-Controlled Oscillator Surface Mount Module

#### Applications

- Earthstations
- PCN Basestations
- Satellite Modems

#### Application Notes

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



#### Performance Specifications

|                                        | Min  | Typ     | Max  | Units              |
|----------------------------------------|------|---------|------|--------------------|
| Oscillation Frequency Range            | 2560 |         | 2816 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW)  |      | -95     |      | dBc/Hz             |
| Harmonic Suppression (2nd)             |      | -20     | -18  | dBc                |
| Tuning Voltage                         | 0.5  |         | 4.5  | Vdc                |
| Tuning Sensitivity (avg.)              |      | 95      |      | MHz/V              |
| Power Output                           | -3   | 0       | 3    | dBm                |
| Load Impedance                         |      | 50      |      | $\Omega$           |
| Input Capacitance                      |      |         | 20   | pF                 |
| Pushing                                |      |         | 3    | MHz/V              |
| Pulling (14 dB Return Loss, Any Phase) |      |         | 3    | MHz                |
| Operating Temperature Range            | -40  |         | 85   | $^{\circ}\text{C}$ |
| Package Style                          |      | MINI-16 |      |                    |

#### Power Supply Requirements

|                            | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Supply Voltage (Vcc, nom.) |     | 5   |     | Vdc   |
| Supply Current (Icc)       |     | 19  | 24  | mA    |

#### Additional Notes

