

## Fixed Frequency Synthesizer Surface Mount Module

### Applications

- SATCOM Equipment
- Test Instrumentation
- 

### Application Notes

- AN-107: Manual Soldering Technique
- AN-205: Measuring Phase Noise for SFS Series

| Performance Specifications            | Min      | Typ | Max    | Units              |
|---------------------------------------|----------|-----|--------|--------------------|
| Frequency                             | 5962.5   |     | 5962.5 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW) |          | -86 |        | dBc/Hz             |
| Harmonic Suppression (2nd)            |          | -20 |        | dBc                |
| Spurious Suppression                  |          | -65 |        | dBc                |
| Power Output                          | 0        | 3   | 6      | dBm                |
| Load Impedance                        |          | 50  |        | $\Omega$           |
| Settling Time                         |          | 0.3 |        | mS                 |
| Operating Temperature Range           | -40      |     | 85     | $^{\circ}\text{C}$ |
| Package Style                         | PLL-V12N |     |        |                    |

| Power Supply Requirements        | Min | Typ | Max | Units |
|----------------------------------|-----|-----|-----|-------|
| Supply Voltage 1: PLL (Vcc, nom) |     | 3   |     | Vdc   |
| Supply Voltage 2: VCO (Vcc, nom) |     | 5   |     | Vdc   |
| Supply Current 1: PLL (Icc, typ) |     | 11  |     | mA    |
| Supply Current 2: VCO (Icc, typ) |     | 33  |     | mA    |

| Reference Oscillator Signal | Min | Typ  | Max | Units  |
|-----------------------------|-----|------|-----|--------|
| Frequency                   |     | 10   |     | MHz    |
| Phase Noise @1 kHz Offset   |     | -145 |     | dBc/Hz |

### Additional Notes

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

© Z-Communications, Inc. All Rights Reserved.

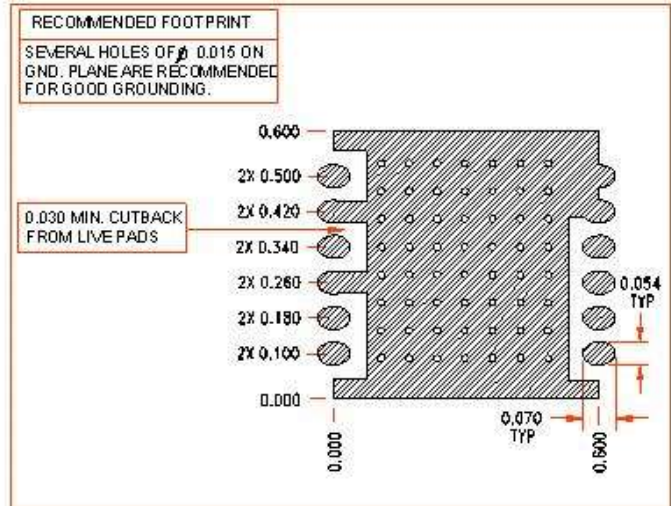
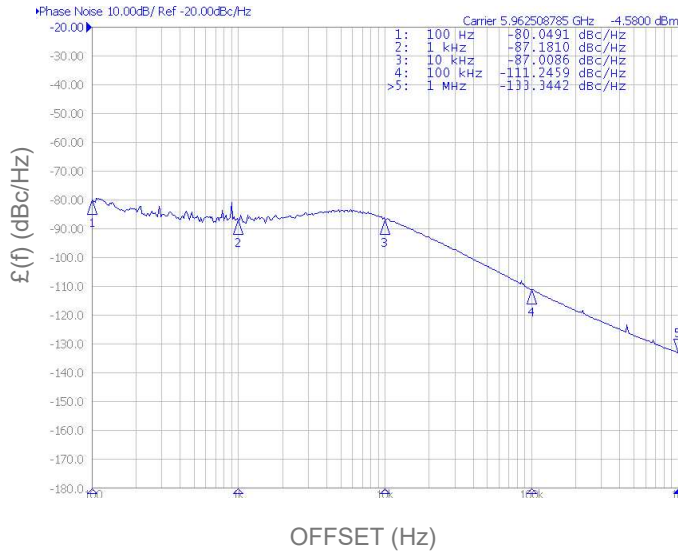
TEL: (858) 621-2700

URL: [www.zcomm.com](http://www.zcomm.com) | EMAIL: [applications@zcomm.com](mailto:applications@zcomm.com)

**Phase Noise, typ.**

**Footprint**

PHASE NOISE (1 Hz BW, typical)



**Physical Dimensions**

