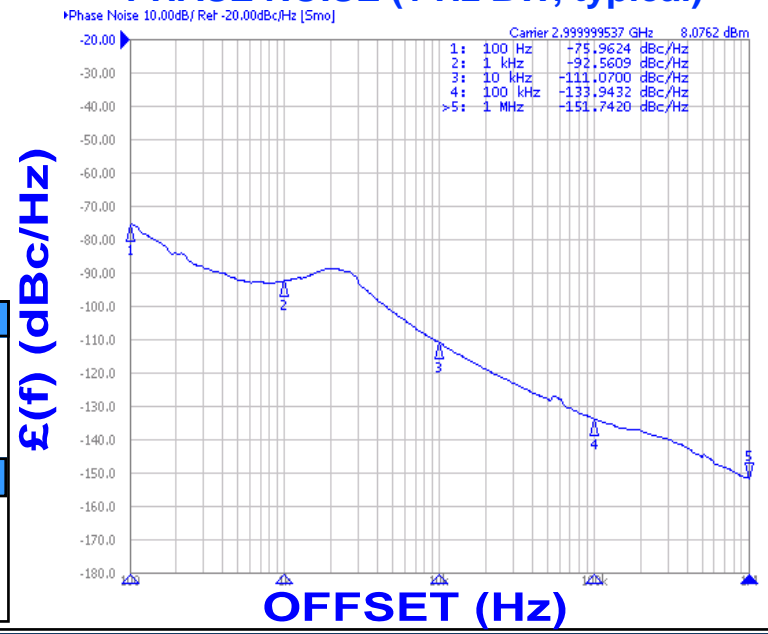


PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency : 3000 MHz
- RMS Phase Error 0.25 deg
- Package Style: PLL-V12N

APPLICATIONS

- Fixed Wireless
- Synthesizers

PERFORMANCE SPECIFICATIONS

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|----------|--------|
| Frequency | 3000 | MHz |
| Phase Noise @ 10 KHz offset (1 Hz BW, typ.) | -109 | dBc/Hz |
| RMS Phase Error | 0.25 | deg |
| Harmonic Suppression (2nd, typ.) | -10 | dBc |
| Sideband Spurs (typ.) | -70 | dBc |
| Power Output | 6±2 | dBm |
| Load Impedance | 50 | Ω |
| Startup Lock Time (typ.) | 2 | mSec |
| Reference Oscillator | 20 | MHz |
| Operating Temperature Range | 0 to 70 | °C |
| Package Style | PLL-V12N | |

POWER SUPPLY REQUIREMENTS

| | | |
|--------------------------------|----|-----|
| Supply Voltage: P1 (Vcc, nom.) | 5 | Vdc |
| Supply Current: P1 (Icc, typ.) | 30 | mA |
| Supply Voltage: P6 (Vcc, nom.) | 3 | Vdc |
| Supply Current: P6 (Icc, typ.) | 11 | mA |

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-200 : Mounting and Grounding of Z-COMM PLLs
- AN-205 : Phase Noise Measurement of Z-COMM SFS Series.

NOTES:

Note1: Phase noise measurement was performed using a 20MHz reference oscillator with a phase noise of -145dBc/Hz @1KHz.

PHYSICAL DIMENSIONS

