

FEATURES

420 - 470 MHz

100 KHz

• cPLL - Style Package

• Frequency Range:

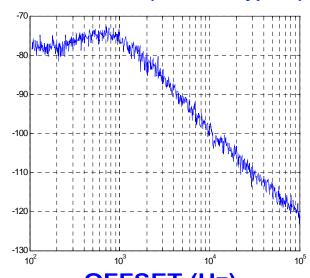
APPLICATIONS

- Satellite Modems
- Mobile Radios

• Step Size:

CATV

£(f) (dBc/Hz)



PHASE NOISE (1 Hz BW, typical)

OFFSET (Hz)

| PERFORMANCE SPECIFICATIONS | VALUE | UNITS |
|---|-----------|--------|
| Frequency Range | 420 - 470 | MHz |
| Phase Noise @ 10 kHz offset (1 Hz BW, typ.) | -99 | dBc/Hz |
| Harmonic Suppression (2nd, typ.) | -10 | dBc |
| Sideband Spurs (typ.) | -65 | dBc |
| Power Output | 4±3 | dBm |
| Load Impedance | 50 | Ω |
| Step Size | 100 | KHz |
| Charge Pump Output Current | 1250 | μΑ |
| Switching Speed (typ., adjacent channel) | 3 | mSec |
| Startup Lock Time (typ.) | 5 | mSec |
| Operating Temperature Range | -40 to 85 | °C |
| Package Style | cPLL | |
| POWER SUPPLY REQUIREMENTS | | |
| Supply Voltage (Vcc, nom.) | 5 | Vdc |
| Supply Current (Icc, typ.) | 24 | mA |
| | <u>.</u> | |

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-201 : PLL Fundamentals AN-202 : PLL Functional Description

NOTES:

Reference Oscillator Signal: 5 MHz<f_{osc}<100 MHz Frequency Synthesizer IC: Analog Devices - ADF4113

