



查询PSN0210A供应商

Z-Communications, Inc.

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捷多邦, 专业PCB打样工厂, 24小时加急出货

PSN0210A

PHASE LOCKED LOOP

Rev A2



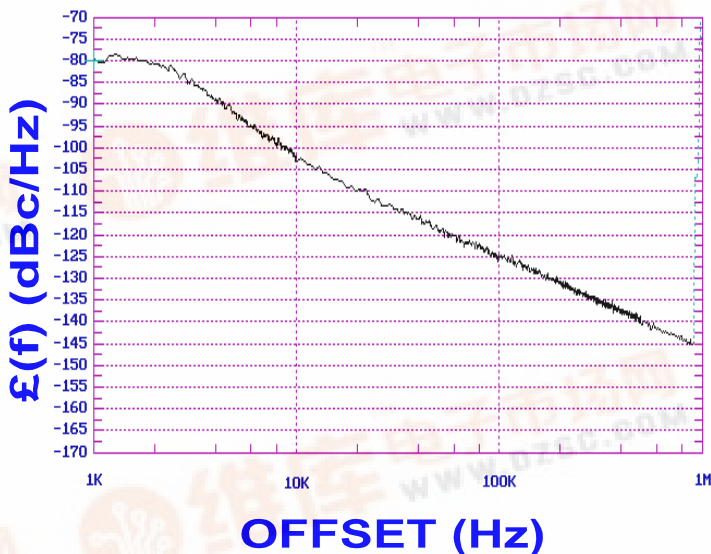
FEATURES

- Frequency Range: 200 - 230 MHz
- Step Size: 100 KHz
- PLL - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

PHASE NOISE (1 Hz BW, typical)



PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Frequency Range	200 - 230	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	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	1000	μA
Switching Speed (typ., adjacent channel)	1	mSec
Startup Lock Time (typ.)	5	mSec
Operating Temperature Range	-40 to +85	°C
Package Style	PLL	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	20	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-201 : PLL Fundamentals
- AN-202 : PLL Functional Description

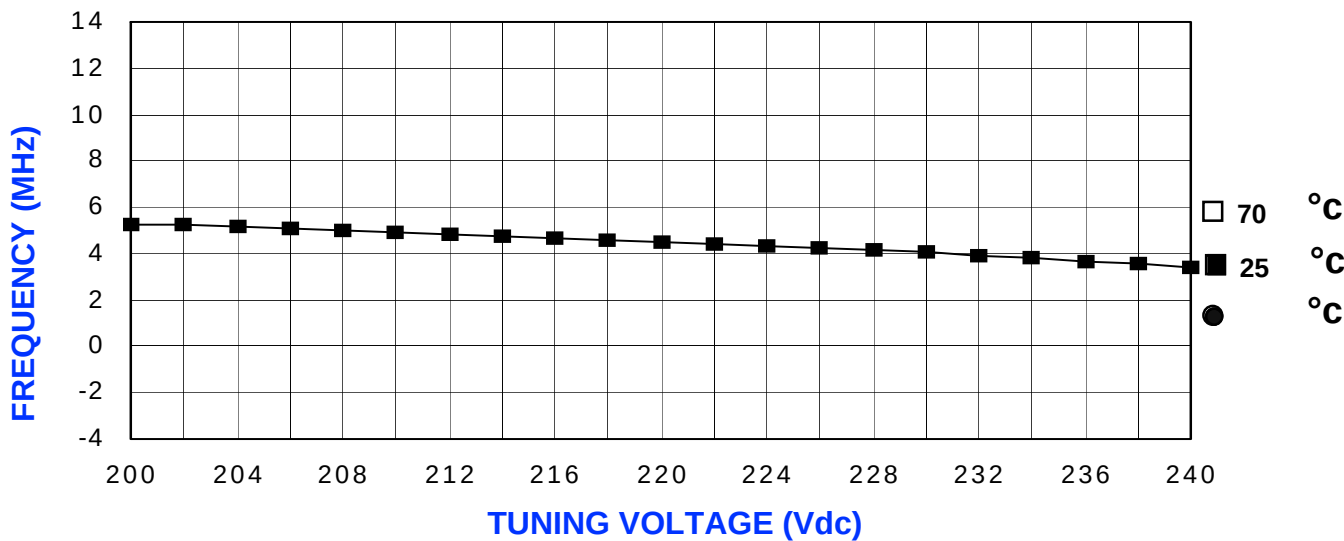
NOTES:

Reference Oscillator Signal: $5 \text{ MHz} < f_{\text{osc}} < 40 \text{ MHz}$

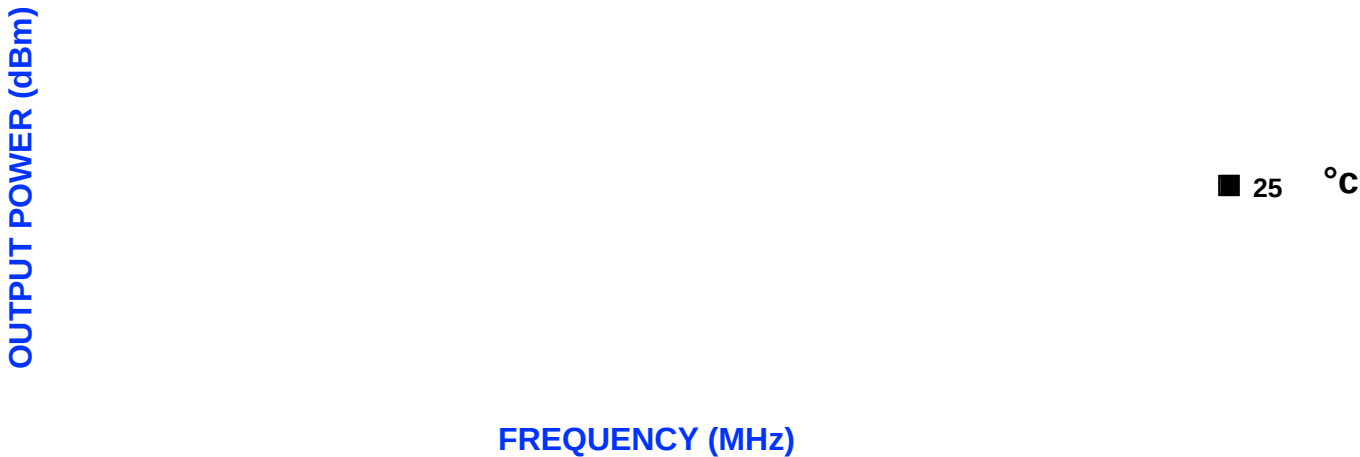
Prescaler: 8

Frequency Synthesizer: National Semiconductor - LMX2306

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

