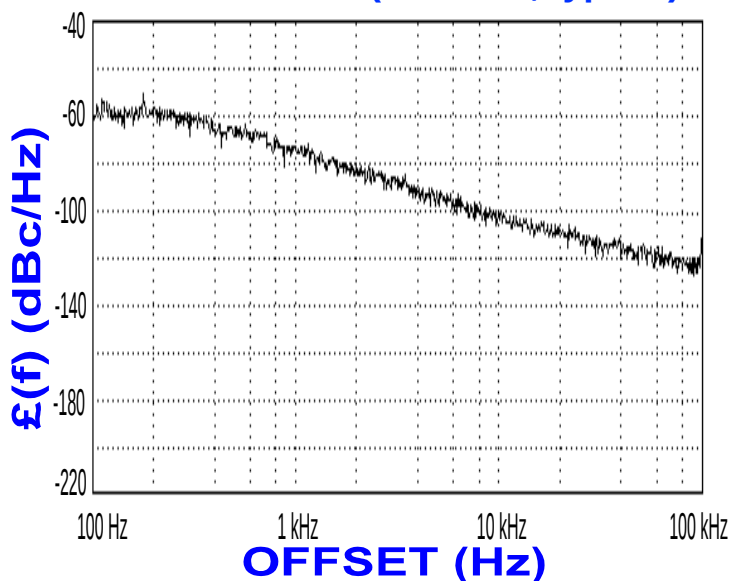




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 1780 - 1840 MHz
- Step Size: 50 KHz
- PLL - Style Package

APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Frequency Range	1780 - 1840	MHz
RMS Phase Error (100 Hz - 100 KHz)	2.5	°
Harmonic Suppression (2nd, typ.)	-15	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	4±2	dBm
Load Impedance	50	Ω
Step Size	50	KHz
Charge Pump Output Current	1000	μA
Switching Speed (typ., adjacent channel)	5	mSec
Startup Lock Time (typ.)	10	mSec
Operating Temperature Range	-40 to +85	°C
Package Style	PLL	

POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	34	mA

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

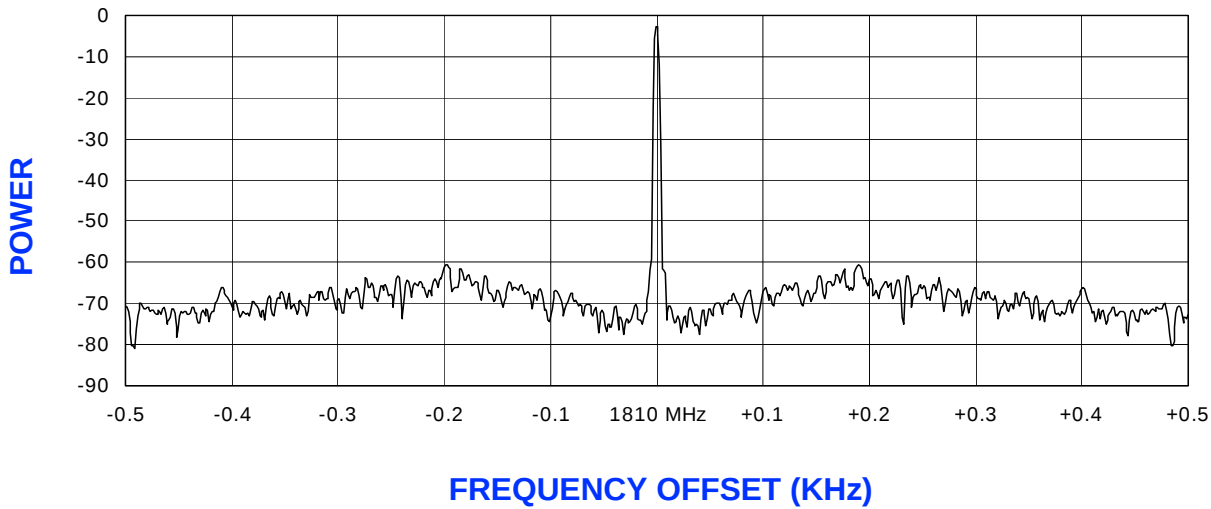
APPLICATION NOTES

- 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

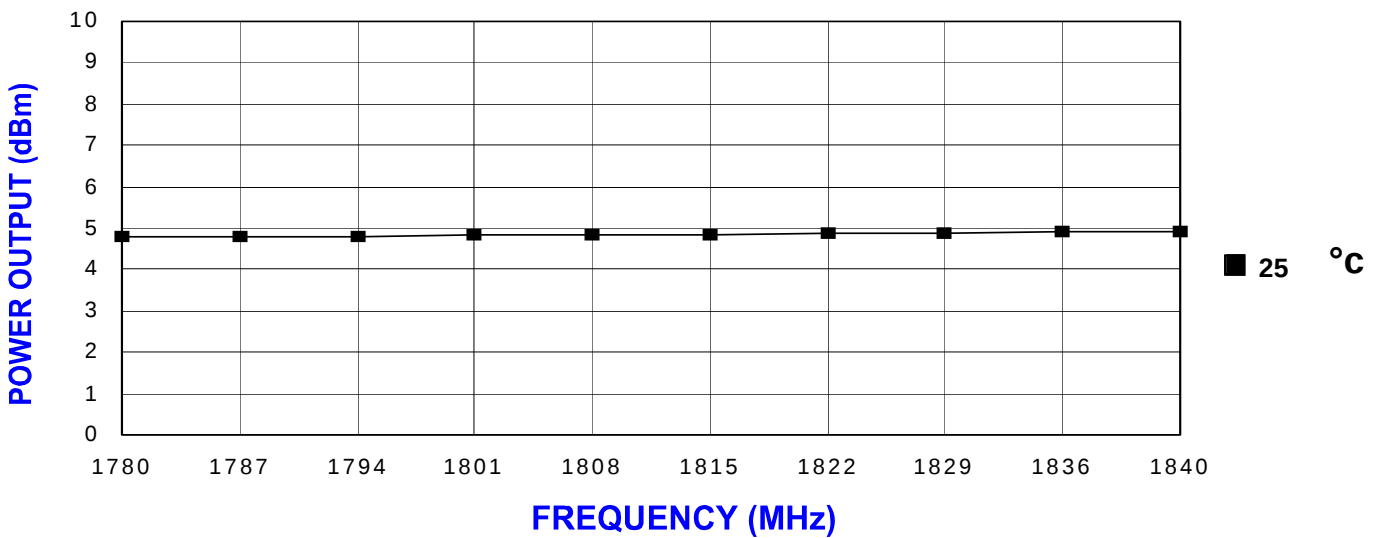
NOTES:

Reference Oscillator Signal: $5 \text{ MHz} < f_{\text{osc}} < 40 \text{ MHz}$
Frequency Synthesizer: National Semiconductor - LMX2326

PLL OUTPUT SPECTRUM



POWER CURVE, typ.



PHYSICAL DIMENSIONS

