



Blue Tops RF Modules > Phase Lock Loops > Low Noise Phase Lock Loop LNPLL

Features:

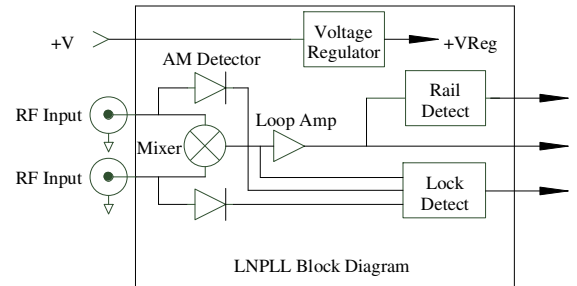
- Ultra-low Phase Noise
- Type 1 or 2 Loop
- Internal Regulator
- Lock Detect/ Rail Detect
- Internal Mixer

Applications:

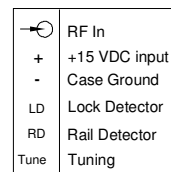
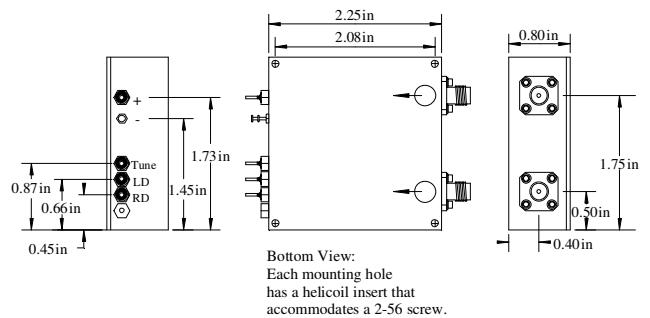
- RF Systems Component
- System Synchronization
- System Integration



The LNPLL is a phase lock loop module that simplifies phase locking of low noise sources from 5 MHz to 150 MHz by integrating a phase detector, a high-performance amplifier and rail & lock detectors into a single package. Wenzel Associates' engineers assist in determining the best loop bandwidth for the application. The LNPLL operates on a +15 VDC supply and contains an internal voltage regulator and low noise components selected to minimize noise contributions from the power supply and loop. Standard versions are available for input frequencies at 5 MHz, 10 MHz and 100 MHz optimized for +13 dBm input levels. Type 1 or Type 2 loops are available. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	
Input Frequency	5 to 150 MHz
Input Signal Level	+10 to +15 dBm
Input VSWR	<2:1
Supply Voltage	+15 VDC
Current	100 mA
Custom	Loop Bandwidth, Specify Hz Lock Detect, Rail Detect
Dimensions	2.25 x 2.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA Standard BNC, TNC Optional
Packaging	Nickel-plated aluminum
CUSTOM OPTIONS	
<i>Please specify when ordering</i>	
<i>Your Custom Requirements</i>	



Ordering Information:

