



Blue Tops RF Modules > Dividers > Low Noise Frequency Divide-By-N LNFDN

Features:

- Ultra-low Phase Noise
- Division up to 256
- Internal Regulator
- Integral BPFs

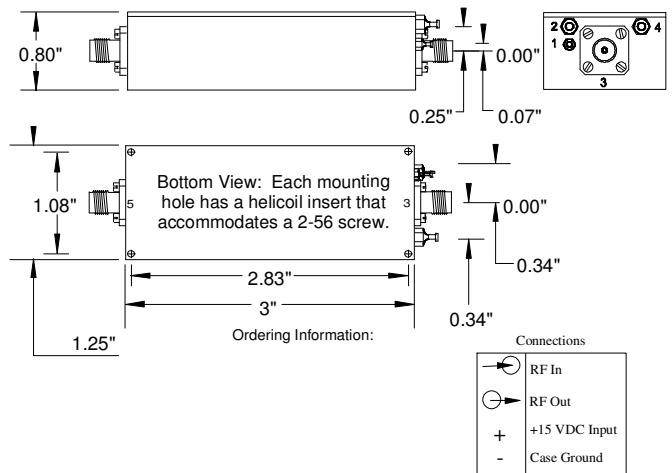
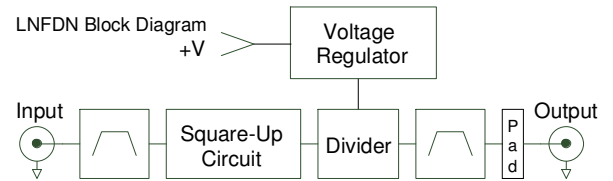
Applications:

- RF Systems Component
- Down Conversion
- System Integration

The LNFDN is a frequency divider module with a customer-specified division factor of up to 256 for input frequencies up to 100 MHz. This module features a divider, internal voltage regulator and input/output bandpass filters integrated into a single housing. The internal bandpass filters may be configured to control harmonics and spurious signals as required, or may be by-passed for broadband response. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	
Input Frequencies	5 to 100 MHz
Input Signal Level	0 to +20 dBm to 50 MHz +13 to +20 dBm above 50MHz
Output Waveform	Sine or Square
Phase Noise	
Noise Floor	-165 dBc/Hz
Harmonics	<-30 dBc (sine)
Supply Voltage	+15 VDC
Current	60 mA
Dimensions	3 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA Standard BNC, TNC Optional
CUSTOM OPTIONS	
<i>Please specify when ordering</i>	
<i>Your Custom Requirements</i>	



Ordering Information: LNFDN - D - F - I - W - O

Model _____
 Division Factor (up to 256) _____
 Input Frequency (MHz, 5 to 100) _____
 Input Level (dBm, 0 to +20) _____
 Waveform (1 for sine, 0 for logic) _____
 Output Level
 (sinewave - dBm, 0 to +13,
 square wave - leave blank)