



Blue Tops RF Modules > Dividers > **Low Noise Frequency Divider LNFDN**

**Features:**

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

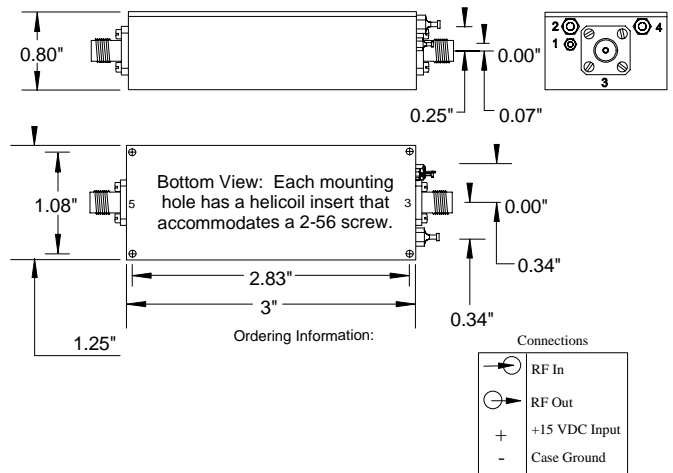
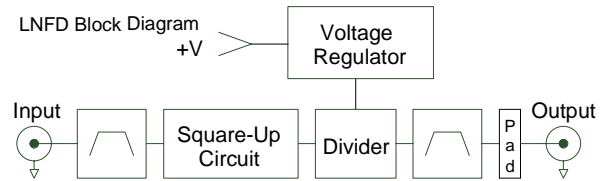
**Applications:**

- 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
<b>CUSTOM OPTIONS</b>	
<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) \_\_\_\_\_