



Blue Tops RF Modules > Multipliers > Low Noise HF Quadrupler LNHQ

Features:

- Ultra-low Phase Noise
- No Conversion Loss
- Integral BPF

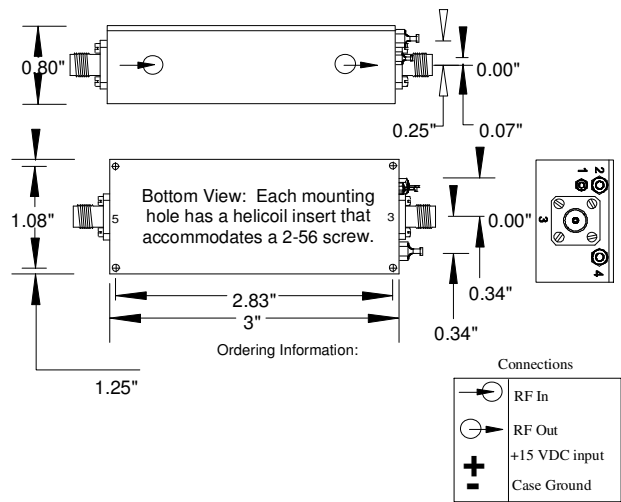
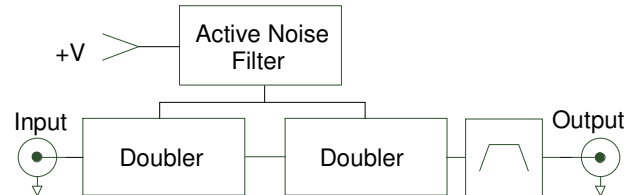
Applications:

- RF Systems Component
- Up Conversion
- System Integration

The LNHQ is an HF quadrupler that combines two LNHD doublers into a single package. The LNHQ exhibits exceptionally low phase noise performance and unity gain, and incorporates an output bandpass filter and specially selected FETs. With a total power consumption of only 40 mA, the LNHQ is particularly useful in HF X4 multiplication applications where power is limited. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	Output to 40 MHz
Input Signal Level	+10 to +15 dBm
Conversion Loss	0 dB
Maximum Output Level	+15 dBm
Phase Noise (Input Referred)	
5 MHz Model: 10 Hz	-155 dBc/Hz
Noise Floor	-176 dBc/Hz
Input Frequency	5 to 10 MHz
Harmonics	<-30 dBc
Sub-Harmonics	<-45 dBc
Supply Voltage	+15 VDC
Current	40 mA
Dimensions	3 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
CUSTOM OPTIONS	
<i>Please specify when ordering</i>	
<i>Your Custom Requirements</i>	



Ordering Information: **LNHQ - F - I**

Model _____

Input Frequency (MHz, 5 to 10) _____

Input Level (dBm, +10 to +15) _____