



Blue Tops RF Modules > Multipliers > Low Noise Diode Doubler LNDD

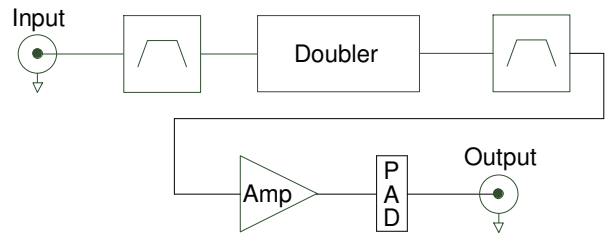
Features:

- WJ FD25
- Outputs to 1 GHz
- Low Conversion Loss
- Integral BPFs

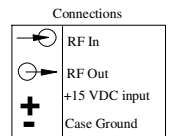
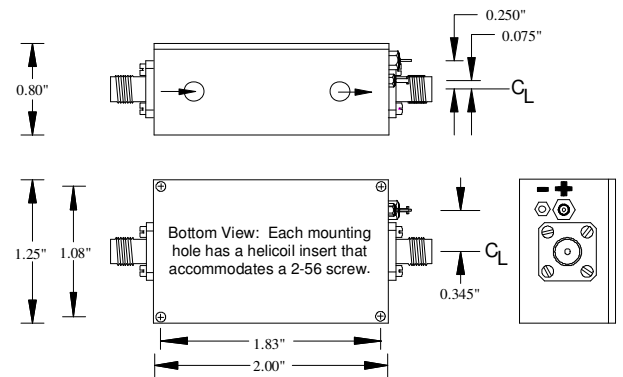
Applications:

- RF Systems Component
- Up Conversion
- System Integration

The LNDD is a frequency doubler that provides excellent phase noise performance for outputs to 1 GHz with low conversion loss. This module features the Watkins-Johnson FD25 diode doubler combined with input and output bandpass filters, an amplifier and an output attenuator. The LNDD's bandpass filters are included to control unwanted multiplier products, harmonics and other undesired signals as required. The FD25 diode doubler is designed for a typical input of +12 dBm. Five common amplifiers are offered as standard options for flexibility in configuring input/output levels (see amp. table). Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable. Consult the factory for other amplifier options.



Typical Specifications:	Outputs To 1 GHz
Input Frequency	To 500 MHz
Input Signal Level	+12 to +15 dBm
Output Signal Level	Consult Factory
Conversion Loss	0 dB Typical
Amplifier Dependent See Amplifier Table	
Phase Noise	
Amplifier Dependent See Amplifier Table	
Harmonics	<-25 dBc
Sub-Harmonics	<-45 dBc
Supply Voltage	+15 VDC
Current Max.	120 mA
Dimensions	2 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
CUSTOM OPTIONS	Specialty Connectors
<i>Please specify when ordering</i>	



Ordering Information:

