



Blue Tops RF Modules > Multipliers > Low Noise Diode Doubler LNDD2

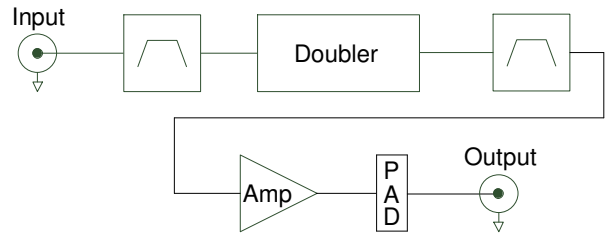
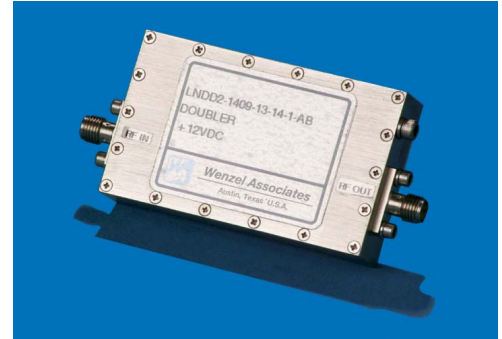
Features:

- Outputs to 5 GHz
- Low Conversion Loss
- Integral BPFs

Applications:

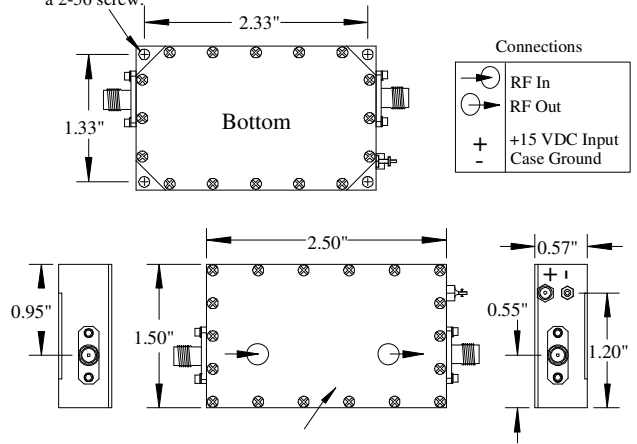
- RF Systems Component
- Up Conversion
- System Integration

The LNDD2 is a frequency doubler that provides excellent phase noise performance for outputs to 5 GHz with low conversion loss. This module features the Watkins-Johnson FD25 or 93 diode doubler combined with input and output bandpass filters, an amplifier and an output attenuator. The LNDD2's bandpass filters are included to control unwanted multiplier products, harmonics and other undesired signals as required. The FD25 or 93 diode doubler is designed for a typical input of +12 dBm. 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 5 GHz
Input Frequency	.5 GHz to 2.5 GHz
Input Signal Level	+10 to +13 dBm
Output Signal Level	Consult Factory
Conversion Loss	0 dB Typical
Harmonics	<-25 dBc
Sub-Harmonics	<-45 dBc
Input / Output VSWR	<2:1
Supply Voltage	+15 VDC
Current Max.	<100 mA
Dimensions	2.5 x 1.50 x 0.57"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
Note:	
FD25 Doubler Option for:	Input Frequencies < 2 GHz
FD93 Doubler Option for:	Input Frequencies > 2 GHz
Your Custom Requirements	

Bottom View:
Each mounting hole has a helicoil insert that accommodates a 2-56 screw.



Label this side

Ordering Information:

