



Blue Tops RF Modules > Amplifiers > Low Noise Filtered Dual Amplifier LNFDA

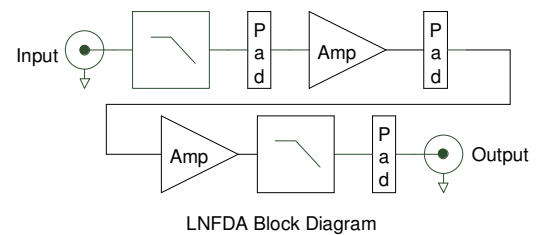
Features:

- Characterized Phase Noise
- Frequency to 8 GHz
- Plastic SMT and TO-8 Amps
- Integral Attenuators for Flexibility

Applications:

- Low Phase Noise Amplification
- Broadband Amplification

The LNFDA combines dual amplifiers and input and output pads with an input/output lowpass filter. The LNFDA's integral 5-section LPFs attenuates unwanted harmonics and other undesired signals at the input/output after amplification. A wide selection of amplifiers and customized attenuators provide flexibility in setting gain and signal levels. For convenience, our most popular amplifiers are offered as standard options or an alternative 4-lead Micro-X, SOIC-8 or TO-8 amp may be specified by the user. Input frequency depends upon the amplifier choice, with 3 GHz as the maximum for standard LNFDA modules. Phase noise is verified at 5 MHz or 100 MHz on the individual amplifiers when bandwidth allows unless otherwise specified. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	
Frequency Range	5 MHz to 3 GHz
Gain (dB)	See Amp. Option Chart
Phase Noise	See Amp. Option Chart
VSWR	<2:1
Harmonics	<-50 dBc
Output Power	+13 to +27 dBm
Input/Output Impedance	50 ohms
Supply Voltage	+15 VDC
Current, Max	500 mA
Dimensions	3 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA

