

HEMT SUPER WIDEBAND LNA

by AD6IW

Frequency Range 0.05-2.5 GHz

Supply voltage 6-15 V, 65 mA

High IP >30 dBm

Super low noise 0.4 dB

High Gain 24 dB

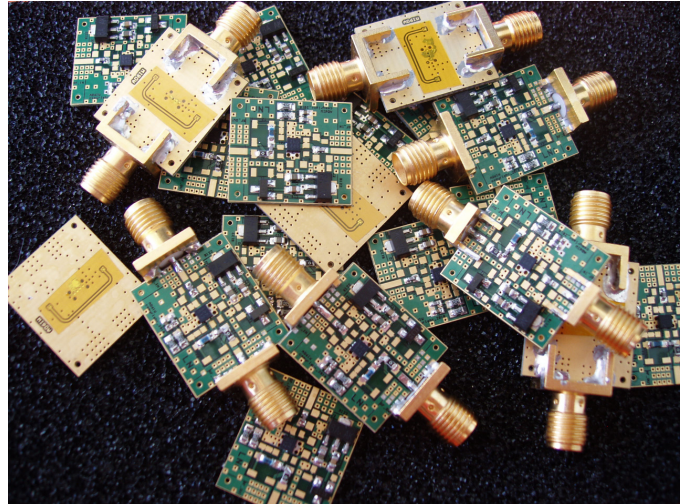
Max input level without damage 27dBm

Built in Bias tee, notch filter – option

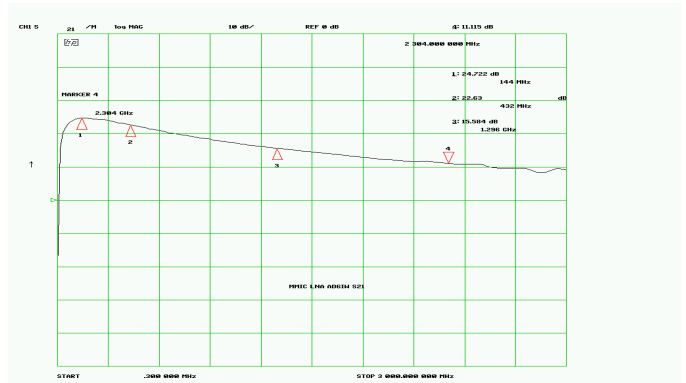
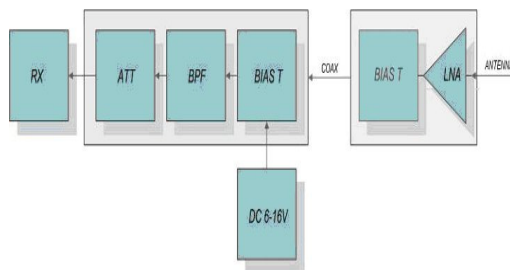
Ideal as single or multiband LNA or

Front end where low noise, high gain and resistance to interference is needed.

Cover all ham radio bands from 50MHz up To 2.4GHz



Typical LNA configuration



Gain and NF

50MHz NF 0.6dB, Gain 22dB

144MHz NF 0.39 dB, Gain 24 dB

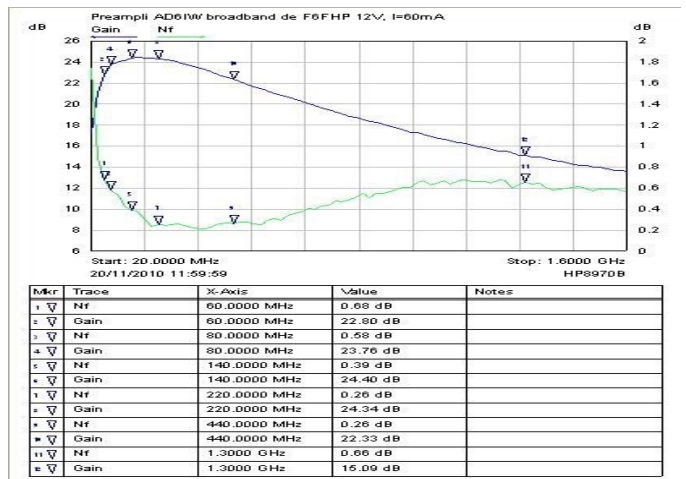
222MHz NF 0.26dB, Gain 24 dB

432MHz NF 0.26dB, Gain 22 dB

900MHz NF 0.5dB, Gain 18dB

1296MHz NF 0.6dB, Gain 15dB

2304MHz NF 0.8dB, Gain 11dB



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