

Abstracts

Monolithic 40 to 60 GHz LNA

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Broadband monolithic GaAs MESFET LNAs have been developed to operate over the entire U-band (40 to 60 GHz). These U-band amplifiers make use of state of the art sub .2um MESFET devices. Typical performance for a two stage LNA using 75um devices is at least 7dB of gain with about 1.5dB peak-to-peak ripple and a maximum noise figure of 7.5dB across the 40 to 60GHz band.

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