

A REVIEW ON ULTRA LOW VOLTAGE LOW NOISE AMPLIFIER USING ACTIVE INDUCTOR FOR ULTRA WIDEBAND APPLICATION

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Abstract: — during this paper we tend to discuss a unique design of CMOS low noise electronic equipment (LNA) for the applying of low voltage RF circuit employed in radical wide band application. we tend to addressing a replacement methodology to optimize the circuit parameter like power potency, noise figure (NF) and improved methodology of input and output matching. Comparison among the LNA square measure drained terms of gain, noise figure, linearity, stability and style strategy of electrical device. This paper offers the thought to the longer term analysis to style higher LNA in terms of low power consumption, stability and higher vary of frequency of operation.

Keywords—CMOS, IC (Integrated circuit), LNA (low noise amplifier) low power, linearity, low voltage, RF (radio frequency), stability, UWB (ultra wide band).