

Abstracts

High efficiency monolithic gallium nitride distributed amplifier

B.M. Green, Sungjae Lee, K. Chu, K.J. Webb and L.F. Eastman. "High efficiency monolithic gallium nitride distributed amplifier." 2000 Microwave and Guided Wave Letters 10.7 (Jul. 2000 [MGWL]): 270-272.

The first gallium-nitride monolithic distributed amplifier is demonstrated. A nonuniform design allows the removal of the drain line dummy load with a concomitant increase in efficiency. An optimized nonuniform design shows a 10% increase in efficiency over an optimized uniform design having the dummy termination.

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