

Abstracts

Feedback for multiband stabilization of CS and CG MESFET transistors

H.F. Hammad, A.P. Freundorfer and Y.M.M. Antar. "Feedback for multiband stabilization of CS and CG MESFET transistors." 2002 Microwave and Wireless Components Letters 12.4 (Apr. 2002 [MWCL]): 122-124.

A new feedback scheme is used to achieve multiband unconditional stability in common source (CS) and common gate (CG) GaAs MESFET configurations. This technique extends the range of operation of both CG and CS beyond what is currently available. Results based on analytical formulations together with a description of the feedback design procedures are provided. Several CS and CG stabilized transistors were monolithically fabricated and tested.

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