

Abstracts

Active Microwave Power Combiner/Divider Using a Dual-Gate MESFET

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An active power combiner/divider using a gallium arsenide (GaAs) dual-gate metal semiconductor field-effect transistor (MESFET) is presented herein. This new component is feasible for monolithic microwave integrated circuit (MMIC) fabrication, and provides the advantages of amplification gain, both amplitude and phase adjustability, and reverse isolation.

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