

Abstracts

Design of High Performance Power Distributed Amplifier Using Lange Couplers (1994 Vol. I [MWSYM])

S. D'Agostino and C. Paoloni. "Design of High Performance Power Distributed Amplifier Using Lange Couplers (1994 Vol. I [MWSYM])." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 281-284.

An innovative distributed amplifier topology based on an input and an output Lange Coupler is presented. The different feeding of the input ports and the recombination of the output signals, in comparison to a conventional distributed amplifier topology, results in a remarkable improvement of the output power, power added efficiency and gain. Several design examples confirm the advantages of the proposed configuration over the conventional one.

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