

Abstracts

1-6 GHz GaAs MMIC Linear Attenuator with Integral Drivers (1987 Vol. I [MWSYM])

G. Lizama, T. Andrade and R. Benton. "1-6 GHz GaAs MMIC Linear Attenuator with Integral Drivers (1987 Vol. I [MWSYM])." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 97-99.

This paper describes the performance of a voltage-controlled attenuator with a 12 dB linear attenuation vs. control voltage range. This linear attenuator greatly facilitates the realization of both closed and open loop gain compensation networks. Over the -55°C to 85°C range the attenuator recorded a 7.2 ± 1 dB/V linear transfer function while using only 25 mW from a single 4 V power supply.

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