Abstracts

A Temperature-Compensated Linearizing Technique for MMIC Attenuators Utilizing GaAs MESFETs as Voltage-Variable Resistors

D.A. Fisher and D.M. Dobkin. "A Temperature-Compensated Linearizing Technique for MMIC Attenuators Utilizing GaAs MESFETs as Voltage-Variable Resistors." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 781-784.

A unique linearizing technique for MMIC attenuators utilizing GaAs MESFETs as voltage-variable resistors and an off-chip control circuit is reported. This technique produces an attenuation vs. control voltage characteristic that is linear (in dB) and inherently temperature compensated.

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