Abstracts

Temperature Compensation Circuit for Linear Microwave Amplifiers

V. Alleva and F. Di Paolo. "Temperature Compensation Circuit for Linear Microwave Amplifiers." 1996 Microwave and Guided Wave Letters 6.6 (Jun. 1996 [MGWL]): 238-240.

A hybrid circuit, integrated in a double-stage microwave amplifier, able to compensate for gain variations in the -54.75°C temperature range and 6.18-GHz frequency band, has been designed, realized, and measured. Analytical studies show that cascode configuration for the amplifiers is the best one to solve the problem. Measured results are in good agreement with the analysis.

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