

Abstracts

Analysis of Phase Characteristics as a Function of Ambient Temperature of IMPATT Amplifiers

L.I. Yarrington and P.W. Hawkins. "Analysis of Phase Characteristics as a Function of Ambient Temperature of IMPATT Amplifiers." 1973 Transactions on Microwave Theory and Techniques 21.11 (Nov. 1973 [T-MTT] (Special Issue on Solid-State Microwave Power Amplifiers)): 728-730.

Experimental data on phase characteristics as a function of ambient temperatures for GaAs IMPATT amplifiers are presented. An evaluation is given to show the impact of ambient temperature on an amplifier design used in phased-array radars.

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