

Abstracts

X-band GaAs MMIC size reduction and integration

E.L. Griffin. "X-band GaAs MMIC size reduction and integration." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 709-712.

This paper describes efforts at ITT to develop cost effective GaAs X-Band MMICs. The ITT MSAG(R) GaAs MMIC process is first described. A brief discussion on the merits of chip integration is followed by a discussion of the ITT338510D commercial 12-Watt MMIC, and the ITT373504D commercial control chip (phase shifter, attenuator, driver, digital control) with emphasis on our efforts to reduce chip area.

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