

Abstracts

A Hybrid Integrated Circuit Microwave Telemetry Transmitter and Command Receiver

J.C. Pinac and B.S. Skinner, Jr.. "A Hybrid Integrated Circuit Microwave Telemetry Transmitter and Command Receiver." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 450-457.

A study of solid-state integrated microwave circuits, techniques, and components was conducted by Texas Instruments Incorporated. The purpose of this study was to define, both analytically and experimentally, the problem areas associated with integrated circuits when various combinations of active and passive circuit elements are required to perform a complete circuit function at microwave frequencies. In order that future operational requirements would be met, specific design goals were established. These design goals were an FM telemetry transmitter and a command receiver. The study program consisted of four general categories of effort: Analytical study of techniques and components, System definition and parameter analysis, Circuit design, Fabrication and test.

[Return to main document.](#)