

Abstracts

MIC Front End for an I Band Monopulse Airborne Radar

J.I. Soula and Y. Amblard. "MIC Front End for an I Band Monopulse Airborne Radar." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 137-139.

This paper describes a new way to realize a complete monopulse receiver for an airborne radar in a very compact microwave assembly; then a unique package contains all microwave components joining aerial to IF receiver. Thin film technique on alumina substrate is employed in each integrated RF circuit; FET amplifiers realized in MIC techniques are used to reduce noise figure. The required and obtained electrical performances are consistent with the typical specifications of a multifunction airborne radar.

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