



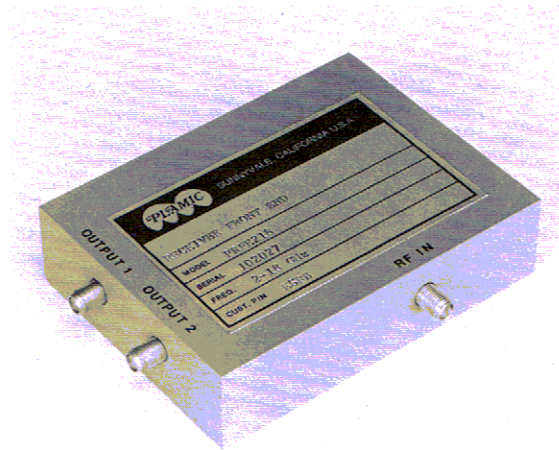
RECEIVER FRONT ENDS

FEATURES

- Small size and weight
- Wide temperature tolerance
- High reliability
- Rugged

DESCRIPTION:

PLAMIC Receiver Front Ends are MIC (Microwave Integrated Circuit) subsystems, in which amplifiers, mixers, filters, oscillators, diode switches and signal splitting/combining networks are integrated into a single housing. Interfacing coaxial connectors are eliminated, thereby reducing mismatches and size, while improving performance. The latest state-of-the-art techniques are used to optimize reliability and performance. Integrated tantalum nitride resistors and thin-film gold conductors, silicon M.I.S. capacitors, nitride passivated beamlead and chip

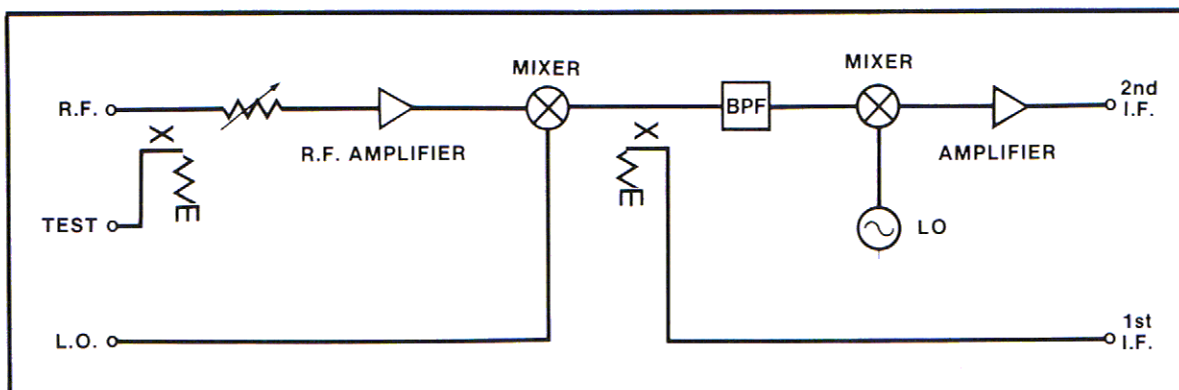


diodes and drift-free GaAs transistors are used throughout. Innovative circuit techniques are used to optimize the performance to cost ratio.

APPLICATIONS:

These Front Ends are ideal for a wide variety of surface, airborne and spaceborne applications in the 1 to 40 GHz range, including ECM and ESM systems, radar applications and telecommunications systems.

TYPICAL BLOCK DIAGRAM:



PLAMIC MEANS MIC

For further information please contact:

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