

Abstracts

MIC Assembly for 12-GHz Direct Broadcast Satellite Receiver

G. Molin, H. Chuandong, Z. Shaoshi, G. Zhongru and X. Qiang. "MIC Assembly for 12-GHz Direct Broadcast Satellite Receiver." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 107-110.

This paper describes the MIC assembly for 12-GHz direct broadcast satellite (DBS) earth-station receivers. It is a compact assembly consisting of a GaAsFET amplifier, an image rejection filter, a diode mixer, a dielectric resonator oscillator and an IF amplifier. A DBS receiver incorporating this unit achieves an overall noise figure <3.0dB for frequencies from 11.7 to 12.2GHz.

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