

Abstracts

Channelized Receiver Covering 26 to 60 GHz with Planar Integrated-Circuit Components

P.J. Meier, K.D. Breuer, L.D. Cohen, N. Worontzoff, J. Lepore and J. Gunther. "Channelized Receiver Covering 26 to 60 GHz with Planar Integrated-Circuit Components." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 411-413.

A nine-channel downconverter covering 26 to 60 GHz is described. The system includes reproducible hybrid-coupled multiplexers, balanced integrated circuit (IC) mixers, built-in-test equipment, and LO's including a cavity-stabilized, lumped-element model. The system is the first of its kind to extensively utilize low-cost, high-Q, millimeter-wave IC's.

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