

Abstracts

Millimetre-Wave Downconverter Using Monolithic Technology for High Volume Application

P.G. Wilson and B.C. Barnes. "Millimetre-Wave Downconverter Using Monolithic Technology for High Volume Application." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1099-1102.

Ten receiver downconverters have been produced, tested and deployed for TV distribution at 29GHz. GaAs monolithic technology has been chosen in order to make the imminent production version an affordable product. Conversion gains and noise figures are 30 to 38dB and 12 to 16dB, respectively. DRO stability is +/-2 MHz over -20°C to +40°C.

 [Return to main document.](#)