

Abstracts

Class-B Power MMIC Amplifiers with 70 Percent Power-Added Efficiency

I.J. Bahl, E.L. Griffin, A.E. Geissberger, C. Andricos and T.F. Brukiewa. "Class-B Power MMIC Amplifiers with 70 Percent Power-Added Efficiency." 1989 Transactions on Microwave Theory and Techniques 37.9 (Sep. 1989 [T-MTT] (Special Issue on FET Structures Modeling and Circuit Applications)): 1315-1320.

C-band monolithic amplifiers using high-efficiency, class-B MSAG processing have been designed, fabricated, and tested. The class-B single-ended amplifier design employed reactive termination for higher order harmonics and achieved state-of-the art efficiency of 70 percent with associated gain of 8 dB and output power of 1.7 W over the 5-6 GHz band.

 [Return to main document.](#)