

Announcements

Low-Noise Microwave Transistors and Amplifiers, a Book of Selected Reprints—H. Fukui, Ed. (IEEE Press, 1981, 472 pp. Paperback member edition: \$16.95. Clothbound edition: \$33.95 (discounted to \$25.45 for IEEE members). Available postpaid from IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. Payment should accompany orders.) *Description provided by Reed Crone, IEEE Publishing Services, New York, NY 10017.*

Low-noise amplification at microwave frequencies is of great importance in a number of applications, including satellite and terrestrial communications, radioastronomy, and radar. The use of transistors in these applications has resulted in improved

performance, simplified operation, increased reliability, reduced maintenance, and better cost efficiency.

This book, sponsored by the IEEE Microwave Theory and Techniques Society, brings together a collection of sixty of the best papers on the subject, divided by subject matter into the following five parts: Noise Characterization and Measurements, Noise Properties of Bipolar Transistors, Noise Properties of Field-Effect Transistors, Low-Noise Amplifier Design, and Practical Amplifier Techniques.

Selections of reprints were made with both device and circuit engineers, as well as graduate students, in mind. The aim of the editor was to provide a basic understanding of noise characterization, its representation and measurement in active linear two-ports, noise performance of microwave transistors, and the design and use of practical low-noise transistor amplifiers.