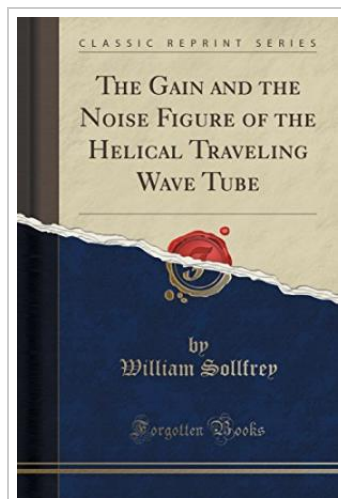




The Gain and the Noise Figure of the Helical Traveling Wave Tube (Classic Reprint) (Paperback)

By William Sollfrey

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from The Gain and the Noise Figure of the Helical Traveling Wave Tube In Pierce s early paper, an estimate for the noise figure is given, based primarily on circuit analysis. We shall apply Friedman s improved analytical methods to this estimate, and then, under the same restrictions which apply to the gain, obtain the dependence of the noise figure on the system parameters. By this means we remove Pierce s assumption that the electron beam is treated as an infinitely thin shell, without using the equivalent thin beam treatment of Fletcher. The noise figure has been treated by Shnlman and Hews, using analytical methods similar to Friedman s but retaining the assumption of an infinitely thin beam. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page,...



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