

Abstracts

Low-Cost High-Volume RF Products: Dream, Anticipation, or Reality?

A.M. Pavio. "Low-Cost High-Volume RF Products: Dream, Anticipation, or Reality?." 1995 *Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest* 95.1 (1995 [MCS]): 7-10.

The analysis of several important high-volume RF product markets, such as the TVRO business, the more mature cable TV industry, and the cellular communications industry will be the focus of this work. A look at the volumes and costs of these products, as well as the RF modules comprising them, will help illustrate market demands. The role of various integrated technologies in these and future products, such as wireless cable, direct digital TV and, set-top converters will also be discussed. In addition, detailed cost discussions will focus on the "trade-offs" between hybrid and monolithic circuits, and Si versus GaAs technology. The remainder of the analysis will concentrate on the aspects of designing for low cost production and the prediction of future trends.

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