

Abstracts

Sub-micron silicon RFIC technologies: "an overview"

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Silicon based semiconductors have become the standard active device technology of choice in today's cost and performance driven consumer wireless products. No longer is silicon technology confined to low frequency analog and digital processing functions. Silicon devices have now reached high frequency performance levels which allow them to be used almost exclusively in the RF section of many wireless communication circuits. This paper deals with the issues involved in employing silicon IC technologies to low cost, low power, RF circuits.

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