

Abstracts

SiGe Technology: Application to Wireless Digital Communications

C. Kermarrec, G. Dawe, T. Tewksbury, B. Meyerson, D. Harame and M. Gilbert. "SiGe Technology: Application to Wireless Digital Communications." 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 94.1 (1994 [MCS]): 1-4.

Heterojunction bipolar technology using SiGe epitaxial base grown by ultra high vacuum/chemical vapor deposition (UHV/CVD) offers very high performance and very low cost for the production of wireless communication high frequency ICs. This paper reports on the status of SiGe HBT development and compares it with existing Si and GaAs technologies.

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