

Abstracts

66 GHz static frequency divider in transferred-substrate HBT technology

Q. Lee, D. Mensa, J. Guthrie, S. Jaganathan, T. Mathew, Y. Betser, S. Krishnan, S. Ceran and M.J.W. Rodwell. "66 GHz static frequency divider in transferred-substrate HBT technology." 1999 Radio Frequency Integrated Circuits (RFIC) Symposium 99. (1999 [RFIC]): 87-90.

We report a 66 GHz emitter coupled logic (ECL) 2:1 static frequency divider using InAlAs/InGaAs transferred-substrate HBTs. To our knowledge this is the fastest static divider reported in any semiconductor technology.

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