

Abstracts

A New Technique for Obtaining High Isolations in Microwave Mixers Based on the Concepts of Distributed Mixing and Transversal Filtering (1995 Vol. II [MWSYM])

A.H. Baree and I.D. Robertson. "A New Technique for Obtaining High Isolations in Microwave Mixers Based on the Concepts of Distributed Mixing and Transversal Filtering (1995 Vol. II [MWSYM])." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 741-744.

A new technique for obtaining high RF/LO to IF isolations in microwave mixers is reported. The technique is derived from the concepts of transversal filtering and distributed mixing. An MMIC prototype has been developed which measures only 1.4mm x 1.3mm. Over 30dB of RF/LO to IF isolations have been achieved at X-band and Ku-band.

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