

Abstracts

Novel Slow-Wave Meander Lines Using Multilayer MMIC Technologies

H. Kamitsuna and H. Ogawa. "Novel Slow-Wave Meander Lines Using Multilayer MMIC Technologies." 1992 Microwave and Guided Wave Letters 2.1 (Jan. 1992 [MGWL]): 8-10.

Slow-wave lines in a meander configuration, fabricated with multilayer MMIC technologies are proposed and their performance is investigated experimentally. Multilayer construction of capacitive triplate lines allows reduction of the chip area of periodic slow-wave line circuits. With this design, less than one half of the area of conventional straight slow-wave lines is required. Additionally, it permits higher frequency operation up to 40 GHz with a negligible dispersion.

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