

Abstracts

A Ku Band MSW Delay Line

D.A. Willems and J.M. Owens. "A Ku Band MSW Delay Line." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 477-480.

A MSW delay line operating at 14.4 GHz has been developed. The delay line has a minimum insertion loss of 15 dB and a VSWR of less than 2.0:1 across a 600 MHz bandwidth. This unit, including the biasing magnet, occupies a volume of four cubic inches and weighs less than one pound. A comparable coaxial delay line is 15 meters long, occupies 200 cubic inches and weighs 60 ounces. This paper presents the design techniques and data.

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