

Abstracts

GaAs SAMP Device for Ku-Band Switching (1979 [MWSYM])

P.L. Fleming, T. Smith, H.E. Carlson and W.A. Cox. "GaAs SAMP Device for Ku-Band Switching (1979 [MWSYM])." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 253-255.

Switchable attenuating medium propagation (SAMP) devices are coplanar transmission lines on an epitaxial semiconductor (GaAs) substrate. These transmission lines can be switched rapidly between states of high and low attenuation. Because they are uniform transmission lines they can easily be characterized for impedance matching purposes, and are well suited for use in microwave integrated circuits (MICs). Experimental performance data and theoretical background will be presented.

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