

Abstracts

A Monolithic DC-1.6GHz Digital Attenuator

J. Bayruns, P. Wallace and N. Scheinberg. "A Monolithic DC-1.6GHz Digital Attenuator." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1295-1298.

A 5-bit digital attenuator with integral TTL compatible switch drivers is described. The unit has a 15.5dB attenuation range in 0.5dB increments, 3dB insertion loss, operating frequency range from DC to 1.6GHz, and 1.4:1 input/output VSWR over that frequency range. The unit employs the use of GaAs MESFET integrated circuit technology.

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