

Abstracts

Broadband, Low-Loss 5- and 6-Bit Digital Attenuators

D. Krafcsik, F. Ali and S. Bishop. "Broadband, Low-Loss 5- and 6-Bit Digital Attenuators." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1627-1630.

Low-loss 5- and 6-bit MMIC digital attenuators covering DC-16 GHz have been designed, fabricated and tested. These attenuators provide exceptional performance, with reference state insertion loss of less than 5 dB at 16 GHz (for the 6-bit chip) and 28 dB of dynamic range attenuation. The input and output VSWRS of the attenuators are better than 1.6:1 over attenuation states and frequencies. These digital attenuators have an input third order intercept point of 37 dBm.

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