

# Abstracts

## Ultra-Broadband Lossy Match Amplifiers

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*Y. Ito, M. Nakajima, M. Kimishima and M. Asa. "Ultra-Broadband Lossy Match Amplifiers." 1989 MTT-S International Microwave Symposium Digest 89.1 (1989 Vol. I [MWSYM]): 379-383.*

This paper describes the design, fabrication, and performance of the three stage lossy match amplifier with a gain of  $8.0 \pm 0.6$  dB and return loss of better than 9 dB over the 2 to 32 GHz band. This amplifier uses a novel m-derived low-pass network, and thus shows the widest bandwidth ever reported for a lossy match amplifier.

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