

# Abstracts

## A New Compact Wideband Balun (1993 Vol. I [MWSYM])

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*M.C. Tsai. "A New Compact Wideband Balun (1993 Vol. I [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 141-144.*

A novel wideband balun has been developed for MMIC applications. The new approach utilizes simple RF reflection and coupling principles to achieve a wideband performance in a simple microstrip configuration. A balun with better than 2 dB of insertion loss, 1 dB and 5° of amplitude and phase balance over 7 to 19 GHz has been realized.

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