

# Abstracts

## An X-Band Balanced Finline Mixer (1978 [MWSYM])

*G. Begemann. "An X-Band Balanced Finline Mixer (1978 [MWSYM])." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 24-26.*

Finline technique has been used in a balanced 9-11 GHz mixer with a 70 MHz intermediate frequency. The conversion loss is less than 5 dB with 3.8 dB minimum. The mixer is tunable by variable shorts. It is possible to scale the mixer to mm-wave frequencies.

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