

# Abstracts

## W band monolithic multipliers

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*F. Brauchler, J. Papapolymerou, J. East and L. Katehi. "W band monolithic multipliers." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1225-1228.*

This paper describes the realization of a W band planar monolithic multiplier using finite ground coplanar lines. These lines provide near TEM low loss propagation to W band and enhance multiplier performance. The developed MMIC multipliers have demonstrated 93 mW output power, 26% efficiency and output bandwidth from 70 to 80 GHz.

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