Abstracts

E-Plane Components for a 94-GHz Printed-Circuit Balanced Mixer

P.J. Meier. "E-Plane Components for a 94-GHz Printed-Circuit Balanced Mixer." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 267-269.

E-plane components for a new form of a 94-GHz printed-circuit balanced mixer are described. The components include a low-loss printed-probe hybrid, advanced beam-lead diodes, and fin-line mounts. The E-plane approach features production economy, effective shielding, high (> 400) unloaded Q, light dielectric loading, and simple waveguide interfaces.

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