

Abstracts

Micromachined circuit combining networks for W-band applications

K.J. Herrick and L.P.B. Katehi. "Micromachined circuit combining networks for W-band applications." 2000 MTT-S International Microwave Symposium Digest 00.1 (2000 Vol. 1 [MWSYM]): 295-298.

In circuit combining networks, low loss interconnecting transmission lines are pivotal In reducing excess loss. Micromachined finite ground coplanar (MFGC) waveguides are used in this study as low loss interconnects showing significant improvements in line loss while maintaining characteristic impedance for both 50 and 70 Ω designs.

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