

Abstracts

A broadband CPW-to-waveguide transition using quasi-Yagi antenna

N. Kaneda, Y. Qian and T. Itoh. "A broadband CPW-to-waveguide transition using quasi-Yagi antenna." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 617-620.

A novel CPW-to-waveguide transition utilizing a uniplanar quasi-Yagi antenna is presented. The X-band back-to-back transition demonstrates 33% bandwidth with return loss better than -10 dB. This transition should find a wide variety of applications due to its high MIC/MMIC compatibility and low cost.

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