

Abstracts

A Quasi-Optical Dielectric Slab Power Combiner

H.-S. Hwang, T.W. Nuteson, M.B. Steer, J.W. Mink, J. Harvey and A. Paoella. "A Quasi-Optical Dielectric Slab Power Combiner." 1996 Microwave and Guided Wave Letters 6.2 (Feb. 1996 [MGWL]): 73-75.

Real power gain from a quasi-optical power combining dielectric slab waveguide amplifier system is reported for the first time. The system employs four MESFET amplifiers located under the slab, and a small signal gain of 10.5 dB was achieved. Measurements of insertion loss and E-field patterns are presented.

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