

Abstracts

Microstrip-Fed Planar Frequency-Multiplying Space Combiner

S. Nam, T. Uwano and T. Itoh. "Microstrip-Fed Planar Frequency-Multiplying Space Combiner." 1987 Transactions on Microwave Theory and Techniques 35.12 (Dec. 1987 [T-MTT] (1987 Symposium Issue)): 1271-1276.

A frequency-multiplying power combining array has been made of slots in the ground plane on a substrate with a microstrip feedline on the back side. The second harmonic generated by a diode in each slot is combined in free space. A design procedure and experimental results are presented.

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