

Abstracts

40 GHz Quasi-Optical Second Harmonic Spatial Power Combiner Using FETs and Slots

S. Kawasaki and T. Itoh. "40 GHz Quasi-Optical Second Harmonic Spatial Power Combiner Using FETs and Slots." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1543-1546.

FET oscillators integrated with slot radiators are used for constructing quasi-optical second harmonic spatial power combiners. Double-oscillator power combiner circuits with a strongly coupled structure generated the 40 GHz second harmonic frequencies. The radiation patterns of the double-oscillator power combiners are also discussed.

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