

Abstracts

Efficient, Higher Order Mode Resonance Combiner

M. Dydyk. "Efficient, Higher Order Mode Resonance Combiner." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 165-167.

This paper will discuss a power combining approach that uses a higher order mode cavity resonance without mode suppressors to achieve a highly stable and efficient combiner. This is made possible by proper handling of the undesirable resonances. The application of this approach to a Ku-band 12 GaAs IMPATT diode combiner will be discussed.

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