

Abstracts

A compact Ku-band power combining network using rectangular coaxial line technology

H. Oh-hashi, H. Yukawa and M. Miyazaki. "A compact Ku-band power combining network using rectangular coaxial line technology." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 409-412.

A compact Ku-band power combining network with a combining loss less than 0.45 dB has been developed using rectangular coaxial line technology. Novel hybrid couplers using impedance-transforming nonuniform coupled transmission-lines are employed as power combiners to reduce the degradation in the combining network performance due to manufacturing inaccuracy.

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