

Abstracts

Quasi-Optical Slot Ring Mixer Noise Figure Measurements

K.D. Stephan and G. Perks. "Quasi-Optical Slot Ring Mixer Noise Figure Measurements." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 643-644.

Noise-figure measurements of an X-band slot-ring mixer using quasi-optical coupling of LO and RF energy are described. The mixer noise figure varies from 5.5 to 9 dB over the IF band, and extension of this design to millimeter wavelengths should be straight-forward.

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