

Abstracts

140 GHz Quasi-Optical Planar Mixers

L. Yuan, J. Paul and P. Yen. "140 GHz Quasi-Optical Planar Mixers." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 374-375.

A planar quasi-optical mixer operating around 140 GHz has been developed using beam lead diodes. Utilizing a spherical lens for the RF input, a conversion loss as low as 7 dB has been measured at 127 GHz with an LO frequency of 141 GHz.

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