

# Abstracts

## **A Quasi-Optical Image Separation Scheme for Millimeter and Submillimeter Waves (Short Papers)**

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*C.-Y.E. Tong and R. Blundell. "A Quasi-Optical Image Separation Scheme for Millimeter and Submillimeter Waves (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.11 (Nov. 1994 [T-MTT]): 2174-2177.*

We propose a compact quasi-optical scheme to achieve image separation using two mixers. With this scheme, an image rejection ratio of better than 12 dB has been obtained over 25 GHz in W-band without any mechanical tuning. This diplexing scheme should find applications in remote sensing and radio astronomy.

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