# Abstracts

## A Microstrip-Based Quasi-Optical Polarization Rotator Array

*N.J. Kolias and R.C. Compton. "A Microstrip-Based Quasi-Optical Polarization Rotator Array." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 773-776.*

A low-loss quasi-optical Ka-band polarization rotator array with 18% bandwidth has been designed and tested. Each cell of the array consists of a pair of input probe antennas connected via microstrip lines to orthogonally oriented output probe antennas. The design shows promise for use as an active array, as multi-stage MMIC amplifiers can be inserted in a straightforward manner into each cell.

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