

# Abstracts

## An Edge-Guide Mode Microstrip Isolator with Transverse Slot Discontinuity

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*R.C. Kane and T. Wong. "An Edge-Guide Mode Microstrip Isolator with Transverse Slot Discontinuity." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1007-1010.*

A new configuration edge-guide mode isolator is described. The new device utilizes a transverse slot, located at one edge of the upper conductor, to effect the isolation function. Results are reported on a series of experiments which confirm operation of the device. Considerations for optimizing performance are detailed and supporting experimental data is included. A modified distributed lossy-termination Hines type isolator is also considered.

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