

Abstracts

An Edge-Guide Mode Microstrip Isolator with Transverse Slot Discontinuity

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.

[Return to main document.](#)

Click on title for a complete paper.