

Abstracts

New Edge Guided Mode Devices

K. Araki, T. Koyama and Y. Naito. "New Edge Guided Mode Devices." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 250-253.

New type edge guided mode devices that are isolator and quasi-circulator, are proposed. The new type isolator has some desirable characteristics; (a) a large isolation and a small insertion loss, (b) simple structure without electric lossy materials, (c) considerable wide frequency band. On the other hand, the quasi-circulators have the following scattering matrix. These isolations are very large compared to the usual circulators.

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