

Abstracts

Millimeter-Wave Diplexers with Printed Circuit Elements (1985 [MWSYM])

Y.C. Shih, L.Q. Bui and T. Itoh. "Millimeter-Wave Diplexers with Printed Circuit Elements (1985 [MWSYM])." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 567-569.

A novel design of W-band (75-110 GHz) non-contiguous diplexers is described. The common port of the diplexer is fed by suspended probe transitions which are suitable for wide-band applications. The circuit is printed on a single substrate and easily assembled in a split-block housing. The insertion loss at the passbands is about 1 dB.

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