

Abstracts

The new approach to designing W-band Y-junction circulator with small insertion loss

Ho Dong Kim, I. Kirsanov and N. Volobouev. "The new approach to designing W-band Y-junction circulator with small insertion loss." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 637-639.

The simple ferrite waveguide Y-junction W-band low loss circulator construction is realized. 0.15 dB loss level is achieved at the expense of microwave fields concentration in the ferrite area with homogeneous transversal magnetization.

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