

Abstracts

Broadband Stripline Circulator

E. Schloemann and R.E. Blight. "Broadband Stripline Circulator." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 739-742.

Performance data on experimental stripline circulators using single-crystal YIG or Li-ferrite discs and external YIG (or Li-ferrite) domes (for achieving a nearly uniform internal magnetic fieldstrength) are summarized and compared with theoretical expectations. Reasonably good circulator performance is observed in the frequency range from 2.8 to 10.2 GHz for the circulator based on YIG and in the frequency range from 5.8 GHz to 18 GHz for the circulator based on Li-ferrite.

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