

A 1.7GHz Lumped-Element Circulator Stable Over a Wide Range of Temperature

I. Ikushima and M. Maeda. "A 1.7GHz Lumped-Element Circulator Stable Over a Wide Range of Temperature." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 293-295.

This paper describes a broadband thin-film lumped-element circulator stabilized over a wide range of temperatures using a newly-developed ferrite material with a low temperature coefficient. The experimental circulator exhibits a bandwidth of about 420MHz over a wide temperature range of from -10°C to 60°C, in which VSWR and loss are less than 1.2 and 1.0dB, respectively.

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