

Abstracts

Some Experimental Results on the X-band Junction Circulator (Correspondence)

A. Kraszewski. "Some Experimental Results on the X-band Junction Circulator (Correspondence)." 1965 *Transactions on Microwave Theory and Techniques* 13.3 (May 1965 [T-MTT]): 382-383.

The general trend in the development of junction circulators is to provide a 20 dB isolation over the widest possible frequency band. However, in some special applications, ferrite circulators with higher isolation and low insertion loss are required for narrow bandwidth operation. An example of this is a circulator operating in connection with a parametric amplifier or maser, where the circulator insertion loss should be held small to decrease the inevitable noise.

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