

Abstracts

A 50-kW CW Ferrite Circulator in S Band

C. Fournet-Fayas, A.C. Priou and G.E. Forterre. "A 50-kW CW Ferrite Circulator in S Band." 1978 Transactions on Microwave Theory and Techniques 26.5 (May 1978 [T-MTT] (Special Issue on High-Power Microwaves)): 360-363.

A 50-kW CW differential phase-shift circulator at 2450 MHz has been developed. Its insertion loss and isolation are 0.18 dB and 20 dB, respectively, over a bandwidth of 25 MHz at 2450 MHz. It is useful for protecting the microwave source of a high-power system from reflected power. The design and experimental results of the circulator are presented.

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