

Abstracts

High Power S-Band Junction Circulator

R.A. Stern. "High Power S-Band Junction Circulator." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 89-91.

The design of a high-power air-cooled microwave Y junction circulator which is capable of operation at peak and average power levels of 800 kW and 800 W, respectively, is described. The unit is an H-plane waveguide circulator which is externally air cooled. The circulator design employs a full height substituted YIG rod together with boron nitride matching transformers.

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