

Abstracts

A Short-Slot Waveguide Latching Ferrite Switch (1970 [MWSYM])

S. Nakahara and H. Kurebayashi. "A Short-Slot Waveguide Latching Ferrite Switch (1970 [MWSYM])." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 398-403.

Recently many latching switches are investigated and reported on. The switch proposed here is a kind of circulators but a new one which has different structure from usual switches. This switch has relatively compact dimensions as a high power switch, and gives little variation of VSWR during switching, and makes it possible to divide out-put power between two ports at arbitrary rate. This paper describes the structure, the principle of operation, the numerical estimation of isolation characteristics and the experimental results of this switch.

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