

Abstracts

A Fast Millimeter Ferrite Latching Switch

R.A. Stern and J.P. Agrios. "A Fast Millimeter Ferrite Latching Switch." 1966 G-MTT International Microwave Symposium Digest 66.1 (1966 [MWSYM]): 219-223.

During the past few years considerable interest has been generated in remanent latching ferrite phase shifters, especially the non-reciprocal type as conceived by Silber, for phase array antennas. By utilizing the square loop properties of ferrites and operating them in the two remanent states, differential phase shift is obtained. These phase shifters possess the virtue of extreme compactness, ability to sustain high peak and average powers, are self-latching, that is require no holding power in either state, and can be switched rapidly with low energy.

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