Abstracts

Ferrite Digital Phase Shifters

D.R. Taft, J.W. Simon and J.D. Sweeney. "Ferrite Digital Phase Shifters." 1965 G-MTT Symposium Program and Digest 65.1 (1965 [MWSYM]): 115-118.

Recent phased array system requirements for fast switching, latching type phase shifters have prompted considerable interest in the non-reciprocal ferrite phase shifter using a toroidal geometry. The use of the toroidal geometry permits the ferrite to he permanently magnetized in the circumferential direction by passing a current pulse through the toroid. The basic ferrite and driving configuration are shown in Figure 1.

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