Abstracts

A Digital Current Controlled Latching Ferrite Phase Shifter (Correspondence)

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With increased interest being placed on phased array antenna systems, much effort is being extended to improve the component phase shifters. The recent development of digital "latching ferrite" devices has been of considerable significance. Such phase shifters, for example, have reduced switching speeds to microsecond or submicrosecond intervals and have no need for bulky switching coils. This correspondence is concerned with the design of a new latching device which obtains digital increments of phase shift by using material properties exhibited in a single element geometry.

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