

A Distributed Ferroelectric Superconducting Transmission-Line Phase Shifter

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A numerical solution is obtained for a sinusoidal wave propagating along a multilayered structure of superconductors, ferroelectric and dielectrics. An example of a distributed coupled strip-transmission-line phase shifter has been investigated, and such phase shifters may find applications in low-loss tunable microwave components for satellite and ground-based communications.

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