

# Abstracts

## A Distributed Ferroelectric Superconducting Transmission-Line Phase Shifter

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*F. Abbas, L.E. Davis and J.C. Gallop. "A Distributed Ferroelectric Superconducting Transmission-Line Phase Shifter." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1671-1674.*

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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