

# Abstracts

## Feedthrough for Digital Latching Ferrite Phasers (Short Papers)

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*J.D. Hanfling and S.R. Monaghan. "Feedthrough for Digital Latching Ferrite Phasers (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.8 (Aug. 1972 [T-MTT]): 549-552.*

Feedthroughs are used in latching ferrite phasers having control wires entering the microwave region. The feedthrough damps out the troublesome resonances that occur as a result of air gaps at the ferrite-waveguide wall interface and at the same time chokes out the radiation from the holes through which the latching wires pass. The equations and curves necessary to design the feedthrough are presented, as well as some experimental results obtained at C band on a practical production configuration.

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