

# Abstracts

## **Ferrite Switches in Coaxial or Strip Transmission Line (Nov. 1962 [T-MTT])**

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*C.E. Fay. "Ferrite Switches in Coaxial or Strip Transmission Line (Nov. 1962 [T-MTT])." 1962 Transactions on Microwave Theory and Techniques 10.6 (Nov. 1962 [T-MTT]): 455-458.*

An examination of the properties of longitudinally-magnetized ferrite in coaxial transmission lines reveals regions of low and high attenuation which could be used for the ON and OFF conditions, respectively, of a switch. A strip line switch designed for fast switching and L band is described. Its performance includes approximately 0.1-db insertion loss and 45-db isolation over a 13 per cent band.

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