

# Abstracts

## Latching Ferrite Quadrupole-Field Devices (Short Papers)

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Y. Xu. "Latching Ferrite Quadrupole-Field Devices (Short Papers)." 1987 *Transactions on Microwave Theory and Techniques* 35.11 (Nov. 1987 [T-MTT]): 1062-1065.

In this paper a brief survey of research and development on latching ferrite quadrupole-field devices in China is presented. Initially, theoretical analyses and some general roles for these kinds of devices are given. Some practical construction techniques and experimental results are also presented. Finally, many practical devices are described (e.g. reciprocal phase shifters with fast switching polarizations, reciprocal phase shifters with transverse magnetization, duplex phase shifters). In general, latching ferrite quadrupole-field devices have many advantages, among them simplicity, ruggedness, and rapid switching.

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