

# Abstracts

## The Twin-Ferrite-Toroid Circular Waveguide Phaser

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*F.J. Bernues and D.M. Bolle. "The Twin-Ferrite-Toroid Circular Waveguide Phaser." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 101-103.*

The TE<sub>011</sub> mode in the circular waveguide loaded by two concentric ferrite toroids, magnetized circumferentially in opposite directions, is investigated. A method is proposed to switch the remanent magnetization of both toroids simultaneously by means of a single biasing wire. The dps (differential phase shift) shows substantial increase over that of the twin-ferrite slab phaser.

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