

# Abstracts

## The Compact Turnstile Circulator (1970 [MWSYM])

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*B. Owen and C.E. Barnes. "The Compact Turnstile Circulator (1970 [MWSYM])." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 388-392.*

Many broadband 3-port waveguide circulators have dielectric spacers between the ferrite and the broad walls of the waveguide junction, as shown in Figure 1. In terms of the two-resonant mode theory employed to explain the Y junction circulator, these spacers were regarded as impedance adjustments which were needed to produce broadband circulation.

 [Return to main document.](#)