

# Abstracts

## The Design of a 6-Port Active Circulator

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*I.J. Bahl. "The Design of a 6-Port Active Circulator." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1011-1014.*

Design of a fully monolithically integrable active circulator without any externally added circuit components is described in this paper. The circuit is capable of providing 0 dB loss, and return loss and isolation better than 16 dB and 23 dB, respectively over an octave or higher bandwidth.

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