

# Abstracts

## Broad-Band 180° Phase Shift Section in X Band (Short Papers)

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*T. Yahara, Y. Kadowaki, H. Hoshika and K. Shirahata. "Broad-Band 180° Phase Shift Section in X Band (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.3 (Mar. 1975 [T-MTT]): 307-309.*

The use of an interdigitated coupler and a pair of switching circuits composed of appropriate diodes and two-stub matching circuits is experimentally shown to produce a broad-band reflection-type 180° phase shift section operating at 8.50-10.50 GHz with  $\pm 2^\circ$  error when fabricated using microwave integrated circuit techniques.

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