

# Abstracts

## Graph Design of p-i-n Diode Phase Shifters (Short Papers)

---

*K. Watanabe, M. Arima and T. Yamamoto. "Graph Design of p-i-n Diode Phase Shifters (Short Papers)." 1981 Transactions on Microwave Theory and Techniques 29.8 (Aug. 1981 [T-MTT]): 829-831.*

A synthesis procedure of the impedance-transforming network in a p-i-n diode phase shifter is given. A representation of a reflection performance on the impedance plane is used successfully to determine the impedance matrix of the network. The procedure is straightforward and its validity is demonstrated by a prototype 90° phase shifter at 10 GHz.

 [Return to main document.](#)