

Abstracts

Diode Loop Binary Phase Shifter (Correspondence)

W.R. Connerney. "Diode Loop Binary Phase Shifter (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 19.2 (Feb. 1968 [T-MTT]): 134-135.

The subject of this correspondence is a diode controlled, binary, phasing device. It consists basically of an all pass c-network, which is bypassed through a single diode, with a second diode used to improve the input match. The operating principle is discussed and then compared to other types of diode phase shifters, i.e., loaded line, hybrid, and switched line. Calculated performance curves are included.

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