

Effective Phase-Shifter Cost as a Selection Criterion

R.W. Long. "Effective Phase-Shifter Cost as a Selection Criterion." 1974 Transactions on Microwave Theory and Techniques 22.6 (Jun. 1974 [T-MTT] (Special Issue on Microwave Control Devices for Array Antenna Systems)): 591-593.

In order to select a phase shifter for a given application, it is necessary to weigh a number of performance factors such that the device selected will result in the lowest overall system cost. This may be accomplished by defining an effective phase-shifter cost in terms of the initial cost of the phase shifter and driver, and dollar factors resulting from insertion loss, phase error, and quantization level.

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