

Abstracts

A 3-KW Microstrip and Waveguide Diode Phase Shifter at X-Band

C.S. Ward. "A 3-KW Microstrip and Waveguide Diode Phase Shifter at X-Band." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 351-354.

The evolution of airborne phased arrays has created a need for small, lightweight phase shift elements, capable of high switching speeds and offering the prospect of quantity production at moderate cost. Microstrip diode phase shifters have been developed to meet these needs with peak power handling capabilities up to a hundred watts. This paper describes a novel extension of the use of these circuits to kilowatt power levels.

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