

Abstracts

Diode Detector Characteristics for a 94-GHz Six-Port Application (Feb. 1983 [T-MTT])

R.A. Fong-Tom and H.M. Cronson. "Diode Detector Characteristics for a 94-GHz Six-Port Application (Feb. 1983 [T-MTT])." 1983 Transactions on Microwave Theory and Techniques 31.2 (Feb. 1983 [T-MTT] (Special Issue on Millimeter-Waves)): 158-164.

The suitability of commercially available diodes as power detectors in a 94-GHz six-port is examined. Square law response, noise, variation of reflection coefficient with power, and temperature effects are studied. The results show that silicon Schottky diodes are the best available.

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