

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.

[Return to main document.](#)

Click on title for a complete paper.