

Abstracts

Harmonic Generation by an Array (Correspondence)

D.D. King, F. Sobel and J.W. Dozier. "Harmonic Generation by an Array (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.2 (Mar. 1964 [T-MTT]): 256-256.

In the millimeter region, harmonic generators have long served as convenient signal sources. However, the power handling capacity of the diode elements is very limited. At the short-wave end of the millimeter spectrum, the dominant mode waveguide terminal of a harmonic generator may also be less desirable than a quasi-optical or beam output. These factors have led to the investigation of a diode array as a millimeter wave source. The results obtained show that such an array is feasible but uneconomic with presently available diodes.

 [Return to main document.](#)