# Abstracts

## Large Area Bolometers for THz Power Measurements (Short Papers)

*C.C. Ling, J.C. Landry, H. Davee, G. Chin and G.M. Rebeiz. "Large Area Bolometers for THz Power Measurements (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.4 (Apr. 1994, Part II [T-MTT]): 758-760.*

This paper describes measurements to determine the performance and suitability of large area bolometers on thin dielectric membranes for use as wideband THz power meters. A Fourier Transform Spectrometer (FTS) was used to measure the transmission spectra of the bolometers from 0.6THz to 10 THz. A linear array of bolometers was then fabricated and used to characterized the beam produces by a FIR laser at 802GHz and 2.54THz. The total power generated by the laser is determined by measuring the beam's profile and peak power density.

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