

Abstracts

A 96-GHz ortho-mode transducer for the Polatron

G. Chattopadhyay, B. Philhour, J.E. Carlstrom, S. Church, A. Lange and J. Zmuidzinas. "A 96-GHz ortho-mode transducer for the Polatron." 1998 Microwave and Guided Wave Letters 8.12 (Dec. 1998 [MGWL]): 421-423.

We describe the design, simulation, fabrication, and performance of a 96-GHz ortho-mode transducer (OMT) to be used for the Polatron-a bolometric receiver with polarization capability. The OMT has low loss, good isolation, and moderately broad bandwidth, and its performance closely resembles simulation results.

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