

Abstracts

119 GHz MMIC radiometer for the (IMAS) integrated multispectral atmospheric sounder

M. Sholley, G. Barber, R. Lai, M. Barskey, R. Tsai, D. Streit, B. Osgood, J. Dowsing, M. Nishimoto, Y. Kok, P. Huang, C. Gage, T. Huang, H. Nang, C. Jackson, Y. Chung, S. Chan and J. Mitchell. "119 GHz MMIC radiometer for the (IMAS) integrated multispectral atmospheric sounder." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 479-483 vol.2.

This paper describes the design and development of a 118 GHz HEMT MMIC based radiometer that was developed for the IMAS Program. The radiometer demonstrated state-of-the-art performance utilizing TRW's InP MMIC technology in a reduced size, lightweight package.

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