

Short Millimeter Wave Region High Accuracy Power Meter with Self-Calibration Function

M. Sasaki, T. Nunotani, T. Inoue and I. Yokoshima. "Short Millimeter Wave Region High Accuracy Power Meter with Self-Calibration Function." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 507-510.

A high-precision power meter with a self-calibration function in the short-millimeter wave region (94GHz) has been developed. As a result of self-calibration, a high effective efficiency (99.86%) of the built-in thin-film barretter mount has been obtained, and a reliable measurement of millimeter wave power with an overall accuracy of $\pm 1\%$ has become possible.

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