

# Abstracts

## Measurements of Embedding Impedance of Millimeter-Wave Diode Mounts

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*C.E. Hagstrom and E.L. Kollberg. "Measurements of Embedding Impedance of Millimeter-Wave Diode Mounts." 1980 Transactions on Microwave Theory and Techniques 28.8 (Aug. 1980 [T-MTT]): 899-904.*

A method for measuring the embedding impedance of diode mounts is presented. The method is based on the measurement of reflection coefficient magnitude only. The reflection coefficient is measured as a function of diode bias (impedance). The embedding impedance can then be obtained in a simple way from the measured data. Results obtained on a coolable 60-90-GHz waveguide mixer are presented and discussed.

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