

# Abstracts

## Design and Performance of a 60-90-GHz Broad-Band Mixer (Short Papers)

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*N. Kanmuri and R. Kawasaki. "Design and Performance of a 60-90-GHz Broad-Band Mixer (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.5 (May 1976 [T-MTT]): 259-261.*

This short paper describes a practical design and performance of 60-90-GHz broad-band mixers. Conversion loss was less than 11 dB in the 60-90-GHz region, and the conversion-loss deviation could be less than about 1 dB throughout the 30-GHz band with fixed circuit parameters. In this design, a new construction technique, using a wave absorber in place of a filter in the IF circuit, was employed.

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