

# Abstracts

## The Effect of Dissimilar IMPATT Diodes on Power Combining Efficiency

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*L. Wagner, R. Laton and R. Wallace. "The Effect of Dissimilar IMPATT Diodes on Power Combining Efficiency." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 489-491.*

Experimental results are presented which demonstrate that IMPATT diode preselection by growth wafer is unnecessary in order to achieve good power combining efficiency. With the possible exception of junction capacitance, tight tolerances ( $<\pm 10\%$ ) on DC or RF characteristics are also found to be unnecessary.

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