

Abstracts

High-Efficiency High-Power TRAPATT Operation of a Single "Poor Man's" Diode (Correspondence)

E.D. Cohen. "High-Efficiency High-Power TRAPATT Operation of a Single "Poor Man's" Diode (Correspondence)." 1972 Transactions on Microwave Theory and Techniques 20.2 (Feb. 1972 [T-MTT]): 184-186.

The operation of a single Fairchild FD-300 diode at approximately 40-percent efficiency is reported. Peak power output was 90 W at 502 MHz. These diodes are of particular interest because they are exceptionally inexpensive commercially available diodes which have been found to exhibit TRAPATT behavior.

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