

# Abstracts

## Millimeter-Wave Silicon IMPATT Sources and Combiners for the 110-260 GHz Range (1981 [MWSYM])

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*K. Chang, F. Thrower and G.M. Hayashibara. "Millimeter-Wave Silicon IMPATT Sources and Combiners for the 110-260 GHz Range (1981 [MWSYM])." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 344-346.*

This paper reports the recent progress in CW and pulsed silicon IMPATT sources in the 110-260 GHz frequency range. A bridged double-quartz-standoff package has been developed and successfully used for the entire frequency range. Power combiners at center frequencies of 140 and 217 GHz have also been developed with peak output power of 9.2 and 1 W respectively.

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