

# Abstracts

## A Plasma Guide Microwave Selective Coupler (1961 [MWSYM])

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*W.H. Steier and I. Kaufman. "A Plasma Guide Microwave Selective Coupler (1961 [MWSYM])." 1961 PGMTT National Symposium Digest 61.1 (1961 [MWSYM]): 51-52.*

A new type of microwave coupler, the plasma guide coupler, has been investigated. The coupling of microwave power via this plasma guide coupler can be varied electronically over a range greater than 30 db over an entire waveguide band. Pulsed power levels of more than 100 watts can be handled. When operated as a switch, a switching time of 5  $\mu$  sec has been observed. The plasma guide coupler is shown in Fig. 1.

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