

Abstracts

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

W.H. Steier and I. Kaufman. "A Plasma Guide Microwave Selective Coupler (1961 [MWSYM])."
1961 PGM TT 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 μ sec has been observed. The plasma guide coupler is shown in Fig. 1.

[Return to main document.](#)