

Abstracts

Practical Design Techniques for Solid State Microwave Generators

D.O. Fairley. "Practical Design Techniques for Solid State Microwave Generators." 1963 PTGMTT National Symposium Program and Digest 63.1 (1963 [MWSYM]): 139-146.

In a harmonic generator, the following principles constitute desirable design criteria: 1) Provide an impedance match at the input; 2) provide an impedance match at the output; 3) prevent the output from reaching the generator; 4) prevent the input from reaching the load; 5) prevent other harmonic currents from flowing except in reactive idler terminations; and 6) operate the diode at the optimum point on its capacitance-voltage characteristic.

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