

Abstracts

500 W, class E 27.12 MHz amplifier using a single plastic MOSFET

R. Frey. "500 W, class E 27.12 MHz amplifier using a single plastic MOSFET." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. I [MWSYM]): 359-362 vol. 1.

In this paper, we report on the design and evolution of a 500 W, 27 MHz Class E amplifier. It doubles the operating frequency of previous high efficiency amplifiers using MOSFET transistors in the TO-247 package. Device criteria, circuit design, and amplifier performance characteristics are presented and compared to a HEPA computer model.

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