

Abstracts

Capabilities of low-cost high voltage RF power MOSFETs at HF and VHF

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Plastic packaged power MOSFETs have found increasing acceptance in all fields of power electronic applications including new high power applications in the frequency range of 1 to 30 MHz. RF power sources for AM broadcasting, medical, industrial and semiconductor processing demand from hundreds to many kilo-Watts of power. In this paper, we compare the standard offerings of several vendors with a new line of inexpensive plastic packaged RF MOSFETs. MOSFET design, package layout, measurement circuits and performance characteristics are presented.

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