

Abstracts

A Compact High Power Amplifier for Handy Phones

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A compact high power amplifier module has been developed for operation within the 890 to 915 MHz band and intended for application on handy phones. The paper summarizes the design steps and the unique use of self resonating chip capacitors to increase the efficiency. The amplifier module delivers a saturated power of + 36 dBm with 55% efficiency and 36 dB gain when operating from a supply voltage of 5.8 volts.

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