

# Abstracts

## **Cascode-delay-matched distributed amplifiers for efficient broadband microwave power amplification**

---

*K. Krishnamurthy, S.I. Long and M.J.W. Rodwell. "Cascode-delay-matched distributed amplifiers for efficient broadband microwave power amplification." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 819-822 vol.2.*

We present a broadband distributed power amplifier topology capable of providing efficiencies approaching 50%. Unlike tapered-drain-line power TWAs, high-Z/sub 0/ lines are not required, greatly improving realizability in MMIC implementation. An experimental hybrid achieved bandwidth 25% of f/sub /spl tau// with /spl sim/15 dB gain and 30/spl plusmn/5% power-added-efficiency.

[Return to main document.](#)