

# Abstracts

## Ultra, Reliable 2.5 KW, Solid State L-Band Amplifier

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*G. Hanley, R. Viola and P. Iassogna. "Ultra, Reliable 2.5 KW, Solid State L-Band Amplifier." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 440-442.*

A 2.5 KW Solid State L-Band Amplifier has been designed to achieve 2 orders of magnitude improvement in reliability. This improvement is achieved by the use of stand-by modules controlled by performance monitoring/fault locating networks which are incorporated in RF and DC circuitry. A failed module is automatically switched out of the RF circuit and replaced with a stand-by unit. This self-healing technique maintains amplifier performance with minimum interruption time.

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