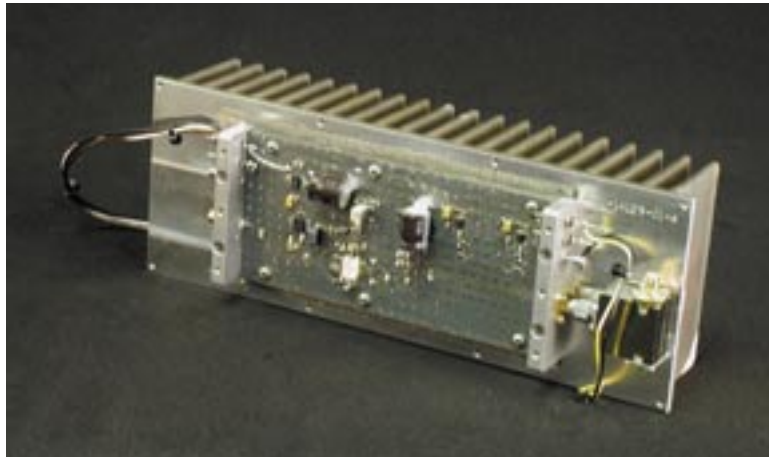


# 5/10 Watt Linear Amplifier



- *Designed for fixed wireless band applications in frequencies of 1300-2700 Mhz*
- *Ideal for 16 QAM, 32 QAM, CDMA and many other formats of modulation*
- *P1dB - 60W*
- *Integrated forward and reverse power detectors*
- *Manufactured for high MTBF*
- *Built-in temperature sensor*

*The need for spectral efficiency has led to the use of high multi-level QAM for modern-day digital radios. The radios historically have had limited output powers due to the difficulties of making linear high-power amplifiers. The Moseley 5/10 Watt Linear Amplifier is a plug-in module for the Moseley NXE1 digital radio and allows for the NXE1 to deliver a minimum of 5 watts of linear power in modulation modes of up to 32 QAM, lower power are available for 64 and 128 QAM modes. Integrated forward and reverse power detectors allow for both monitoring and adaptive power control. A built-in temperature sensor prevents auto shut down.*

## **Specifications**

<i>Pin</i>	<i>+27 dBm to +33 dBm</i>
<i>Pout</i>	<i>+37 dBm to +40 dBm</i>
<i>Supply Voltage</i>	<i>28 Vdc</i>
<i>Spurious</i>	<i>&lt;60 dBm</i>
<i>PidB</i>	<i>+48 dBm</i>
<i>Detectors</i>	<i>Forward Power - 0.5v to 4.5v Reverse Power - 0.5v to 4.5v Temperature -30<sup>o</sup> to +100<sup>o</sup> C Shutdown 80<sup>o</sup> C</i>

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