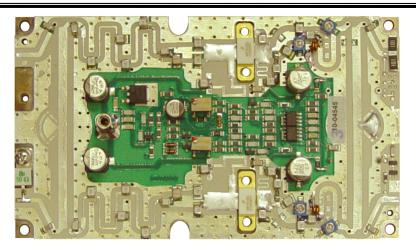


## **AMP-50DG-UHF**



## **General Description**

This ultra linear power amplifier pallet has been designed to cover the entire UHF TV band from 470 to 862MHz, offering OEMs a single, unsurpassed solution for their medium power amplifier designs.

Designed specifically for digital applications, the AMP-50DG-UHF incorporates microstrip technology and the latest generation of LDMOS power devices for increased ruggedness and reliability.

## **Technical Specification Summary**

Frequency Range: 470-862MHz

Typ. Gain: 19.5 dBSupply Voltage: 26 V

• Typ. Efficiency: > 20% @ 20W DVB-T

Working Class: AB

Temperature Range: -10 to +55 C

DVB: 20 WrmsMax VSWR: 3:1

Analogue TV: 60WpsDual tone: 100WpepDevices: MRF9030

## **Key Features and functions**

- Temperature compensated bias
- SmartBias® Infrared (optional) or Manual operated bias circuit
- High temperature protections
- Welded Board for optimum long term performances